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Ministry of Energy, Mines and
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MINERAL RESOURCES DIVISION
Geological Survey Branch

A CENTURY OF GOLD PRODUCTION AND RESERVES IN BRITISH COLUMBIA (1890 TO 1990)

By T.G. Schroeter and R.A. Lane

An update to Open File 1989-22

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TABLE OF CONTENTS

INTRODUCTION 1

HIGHLIGHTS 1

FIGURES

1. Gold in British Columbia ..... in pocket
2. B.C. gold production: 1858-1990 2
3. B.C. lode gold production (1890-1990), by deposit type 6
4. B.C. total lode gold inventory (current reserves and past production) 11
5. 1991 B.C. lode gold reserves 15

TABLES

1. B.C. lode gold mines production (1890-1990), by rank 3
2. B.C. lode gold production (1890-1990), by deposit type 6
3. B.C. lode gold production (1890-1990): veins - mesothermal 7
4. B.C. lode gold production (1890-1990): skarns 9
5. B.C. lode gold production (1890-1990): veins - epithermal 9
6. B.C. lode gold production (1890-1990): massive sulphides 10
7. B.C. lode gold production (1890-1990): porphyries 10
8. B.C. lode gold production (1890-1990): transitionals 11
9. 1991 B.C. lode gold reserves, by rank 12
10. 1991 B.C. lode gold reserves, by deposit type 15
11. 1991 B.C. lode gold reserves: porphyries 16
12. 1991 B.C. lode gold reserves: veins - mesothermal 17
13. 1991 B.C. lode gold reserves: massive sulphides 19
14. 1991 B.C. lode gold reserves: veins - epithermal 19
15. 1991 B.C. lode gold reserves: skarns 20
16. 1991 B.C. lode gold reserves: transitionals 20

APPENDICES

1. British Columbia operating lode metal mines in 1990 by rank, ounces of gold produced 21
2. Alphabetical index to Figure 1 and Appendix 3 22
3. B.C. lode gold production and reserves (1890-1990): master file 25
4. B.C. placer and lode gold production (1858-1990) 42

INTRODUCTION

This Open File report updates significant parts of the data files in Open File 1989-22: *Gold Production and Reserves in British Columbia*. This listing of significant gold-bearing deposits, which have produced gold or are known to contain reserves, has been expanded from 192 to 214 (Figure 1 and Appendix 3); an alphabetical listing of the deposits (or camps) included in Appendix 3 is included as Appendix 2, for cross-referencing purposes.

Production and reserve statistics are completed to the end of 1990; as in Open File 1989-22, statistics are reported in Imperial units. The text is purposely brief and intended to provide as factual a database as possible with the aim of updating the database annually. It is hoped that this database will assist Government agencies (Federal, Provincial, and Municipal), mining and related resource-service industries, and the public in both short term and long term planning strategies to combine and maximize their economic, social and environmental goals.

HIGHLIGHTS

- 1990 lode gold production from 21 operating lode metal mines totalled 529 836 ounces (16 480 kilograms) - the highest since 1941.
- Total lode gold production over a century of mining (1890-1990) equals 22 067 580 ounces (686 379 kilograms).
- Total placer gold production (1858-1990) equals 5 376 351 ounces (167 224 kilograms).
- Six historic (major) mining camps (Bridge River, Rossland, Premier, Hedley, Cariboo-Barkerville, and Greenwood) continue to head the list of mines which have produced over 1 million ounces of gold each (Table 1); Island Copper will soon to join the 'million-ounce' club.
- Production (by deposit type):

Veins - Mesothermal	52.5%
Skarns	10.0%
Veins - Epithermal	10.6%
Porphyries - Calcalkalic	7.4%
Massive Sulphides	6.7%
Porphyries - Alkalic	5.0%
Transitionals	1.8%

Note: The top 25 producers account for 92% of total production.

- Reserves (by deposit type):

Porphyries - Alkalic	28.9%
Porphyries - Calcalkalic	28.7%
Veins - Mesothermal	16.4%
Massive Sulphides	12.4%
Transitionals	6.7%
Veins - Epithermal	4.9%
Skarns	2.0%

Note: The top 25 reserves account for 80% of total reserves.

- Total lode gold reserves estimated at 58 284 916 ounces (1 812 865 kilograms).
- Total lode gold inventory (current reserves and past production) equals 80 258 000 ounces (2 496 505 kilograms).
- Gold reserves by rank 'top-heavy' with alkalic porphyries, along with Eskay Creek (Table 9).
- More emphasis on polymetallic auriferous deposits, rather than single commodity gold.
- Newly reported figures (since 1988) for deposits such as Eskay Creek, Mount Milligan and Fish Lake have helped keep exploration expenditures for advanced stage projects at a relatively high level.
- Past 'greater than million ounce' producers, Premier and Hedley, are once again producing and 'battle' for the number 3 and 4 rank positions (Table 1).
- Pigeon-holing of deposits/camps by deposit types was done for convenience sake; other auriferous deposits exist and will contribute to the database in the future.
- Average recovered grades from each deposit type (Figure 5 - OF 1989-22) have not changed significantly.

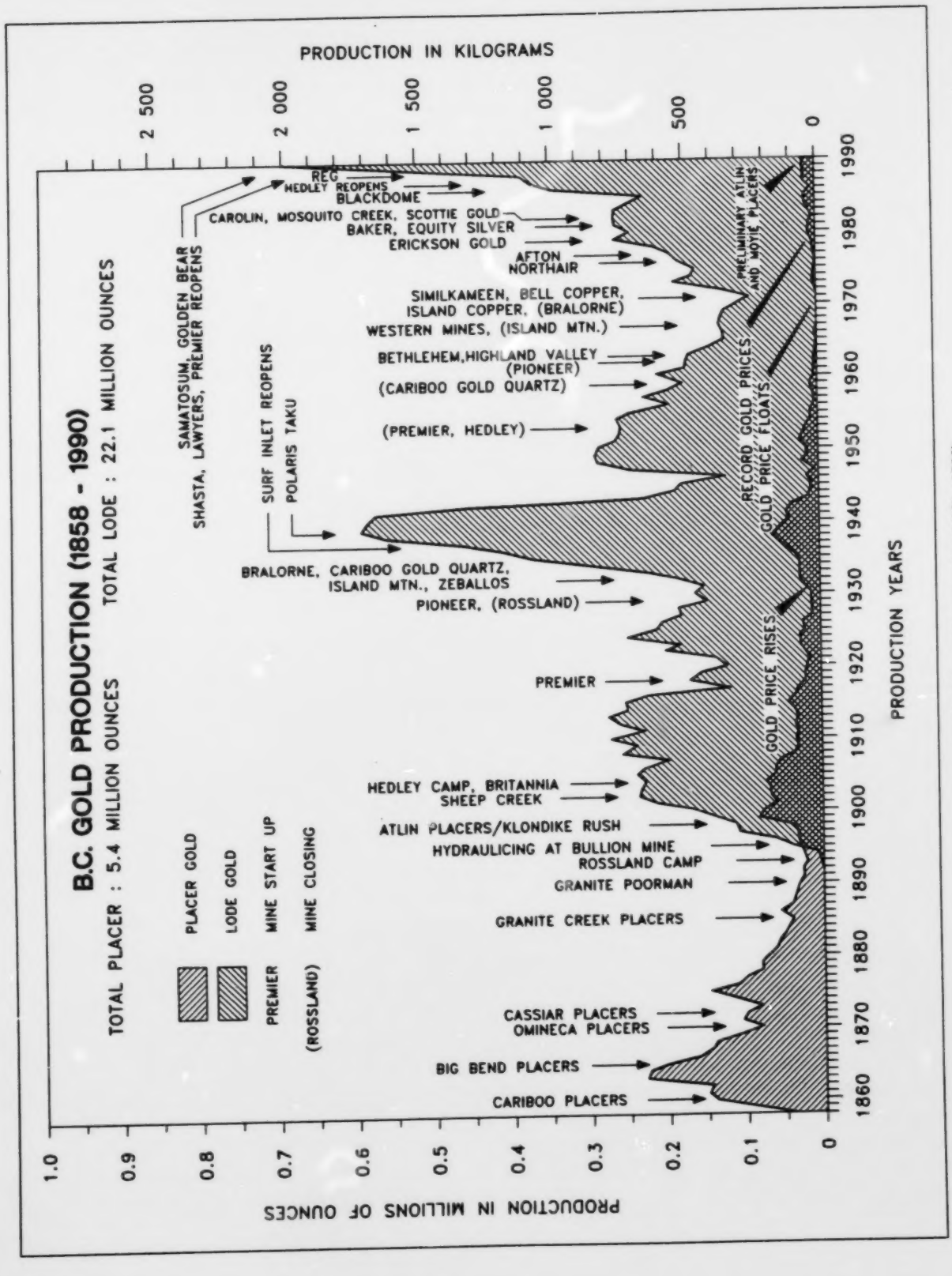


Figure 2. B.C. gold production (1858 - 1990).

TABLE 1
B.C. LODE GOLD MINES PRODUCTION
BY RANK (1890 - 1990)

Fig. 1 No.	DEPOSIT NAME	YEARS OF PRODUCTION (producing = *)	PROD. RANK	GOLD PRODUCTION (oz)	SILVER PRODUCTION (oz)	Ag:Au	GOLD RESERVES (oz)	DEPOSIT TYPE	TOTAL INVENTORY (Prod + Res) (oz)
109	BRIDGE RIVER CAMP	1900-1978	1	4,178,069	1,002,541	1:4	518,328	11	4,696,397
86	ROSSLAND CAMP	1894-1974	2	2,745,260	3,440,800	1:1	42,000	11	2,787,260
23	PREMIER CAMP	1918-1976,89-90*	3	1,924,963	41,629,890	23:1	228,900	12	2,212,247
97	HEDLEY CAMP	1904-83,89-90*	4	1,924,729	443,818	1:8	346,676	20	2,271,405
66	CARIBOO-BARKERVILLE CAMP	1933-67,80-87	5	1,231,214	165,382	1:7	49,020	11	1,280,234
88	GREENWOOD SKARNS TOTAL	1900-1978	6	1,191,431	7,219,470	6:1	199,646	20	1,391,077
126	ISLAND COPPER	1971-1990*	7	919,411	7,182,615	7:1	241,200	41	1,160,611
83	SHEEP CREEK CAMP	1902-1981	8	761,456	280,495	1:3	123,090	11	884,546
102	SIMILCO	1917-62,72-89-90*	9	636,851	8,408,729	12:1	335,600	42.2	972,451
122	MYRA FALLS	1966-1990*	10	604,928	23,780,273	32:1	660,146	31	1,265,074
112	BRITANNIA	1905-1977	11	493,069	5,815,395	12:1		31	493,069
108	AFTON CAMP	1977-1990*	12	454,956	2,454,145	6:1	573,927	42	1,028,883
58	SURF INLET	1917-26,36-43	13	388,881	201,210	1:2	19,950	11	408,831
52	EQUITY SILVER	1980-1990*	14	388,039	60,032,737	173:1	156,528	10	544,567
48	BELL COPPER	1972-82,85-90*	15	375,464	1,083,372	3:1	66,000	41	441,464
149	YMIR CAMP	1899-1973	16	283,560	1,425,014	5:1	26,600	11	310,160
123	ZEBALLOS CAMP	1933-1953,75	17	276,067	120,140	1:2	172,183	11	448,250
9	CASSIAR CAMP	1979-1988	18	239,488	173,788	1:1	197,351	11	436,839
7	POLARIS TAKU	1938-1951	19	231,603	11,760	1:19	660,160	11	891,763
70	BLACKDOME	1986-1990	20	223,592	760,473	3:1	6,156	12	229,748
110	NORTHAIR	1976-1982	21	166,582	845,854	5:1	12,220	11	178,802
49	GRANISLE	1966-1982	22	148,000	1,906,000	13:1		41	148,000
124	MERRY WIDOW CAMP	1962-1973	23	126,407	392,869	3:1	30,000	20	156,407
31	ANYOX CAMP	1914-1936	24	124,081	6,914,330	60:1	54,000	33	178,081
117	TEXADA	1896-1976	25	106,508	1,286,450	12:1	93,884	20	200,392
20	SCOTTIE GOLD	1981-1985	26	104,970	44,000	1:2	73,920	11	178,890
107	HIGHLAND VALLEY CU CAMP#	1963-1990*	27	104,157	22,836,394	220:1	132,005	41	236,162
16	LAWYERS	1989-1990*	28	101,175	2,078,726	23:1	165,353	12	266,528
186	SECOND RELIEF	1900-1959	29	100,234	27,856	1:4		20	100,234
6	TULSEQUAH CHIEF	1939-1957	30	94,257	3,400,772	36:1	640,000	31	734,257
18	REG (JOHNNY MTN.)	1988-1990	31	84,806	133,039	2:1		11	84,806
91	CARIBOO-AMELIA	1894-1962	32	81,603	32,439	1:3	4,000	11	85,603
96	BRENDA	1970-1990	33	72,866	4,737,948	66:1		41	72,866
21	GRANDUC	1971-1983	34	65,510	3,739,895	57:1		32	65,510
82a	GRANITE POORMAN	1890-1954	35	65,080	27,684	1:2	4,860	11	69,940
185	ARLINGTON CAMP	1900-1970,87	36	60,455	147,374	2:1	9,520	11	69,975
89	UNION	1913-1946,87	37	55,339	1,389,115	25:1	7,968	11	63,307
88a	GREENWOOD VEINS TOTAL	1893-1976,88	38	49,233	2,529,221	52:1	75,712	11	124,945
104	COQUIHALLA GOLD TOTAL	1982-1984	39	47,372	38,000	1:1	108,000	11	155,372
114	LENORA	1898-1964	40	44,491	934,522	21:1		31	44,491
63	TASU	1914-1983	41	43,066	1,620,205	36:1		20	43,066
84	BAYONNE	1935-1951,84	42	42,152	120,282	3:1	56,580	11	98,732
51	JEWEL	1940-75,84-85	43	39,711	234,517	6:1	15,500	11	55,211
17	BAKER	1980-1983	44	37,558	742,198	20:1	30,800	12	68,358
82	PERRIER	1913-1946	45	34,681	44,803	1:1		11	34,681
8	TAURUS	1981-1988	46	34,576	2,150	1:10	15,000	11	49,576
131	WINDPASS	1916-1944	47	34,455	1,719	20:1		11	34,455
132	VIDETTE	1933-1940	48	29,869	46,573	2:1		11	29,869
73	ECLIPSE	1911-1958	49	29,400	1,724,794	59:1	3,770	11	33,170
115	SUNRO	1962-1978	50	28,912	72,747	3:1	29,603	33	58,515

Table 1 (Continued)

Fig. 1 No.	DEPOSIT NAME	YEARS OF PRODUCTION (producing = *)	PROD. RANK	GOLD PRODUCTION (oz)	SILVER PRODUCTION (oz)	Ag:Au	GOLD RESERVES (oz)	DEPOSIT TYPE	TOTAL INVENTORY (Prod + Res) (oz)
59	PORCHER ISLAND	1919-1939	51	20,574	230,755	11:1	304,600	11	325,174
92	DUSTY MAC	1969-1976	52	19,483	339,283	17:1		12	19,483
145	GOLDEN BEAR	1990*	53	19,242			276,512	11	295,754
5	ENGINEER	1913-1952	54	18,058	8,950	1:2		12	18,058
99	FAIRVIEW CAMP	1898-1949	55	17,038	169,494	10:1	199,448	11	216,486
90	BEAVERDELL	1913-1990	56	16,459	34,525,812	2080:1		11	16,459
101	DIVIDEND-LAKEVIEW	1907-1949	57	16,216	2,804	1:6		20	16,216
36	SILVER STANDARD	1913-1985	58	14,975	7,623,712	509:1	830	11	15,805
180	SAMATOSUM	1989-1990*	59	11,871	7,275,017	595:1	15,968	11	27,839
85	ALPINE	1915-1948	60	11,451	7,119	2:1	105,000	11	116,451
100	HORN SILVER	1915-1984	61	10,686	4,089,471	383:1		11	10,686
142	SHASTA	1989-1990*	62	10,275	584,227	58:1	87,283	12	97,558
26	DUNWELL	1926-1941	63	9,875	329,805	33:1		11	9,875
98	OROFINO & TWIN LAKES	1899-1942	64	8,846	2,393	1:4		11	8,846
133	PLANET	1926-1952	65	8,186	249,932	31:1		11	8,186
119	BUCCANEER & MUSKATEER	1941-1959	66	6,960	2,994	1:2	3,300	11	10,260
111	ASHLU	1932-1939	67	6,493	7,482	1:1	24,625	11	31,118
33	GRANBY POINT	1917-1938	68	5,795	196,260	34:1		11	5,795
77	SULLIVAN	1900-1990*	69	5,622	300,478,385	-		34	5,622
121	SILVERADO	1934-1938	70	5,567	10,294	2:1		20	5,567
129	CARIBOO-HUDSON	1938-1939	71	5,185	2,626	1:2	12,762	11	17,947
74	SILVER CUP	1895-1985	72	5,169	1,447,116	280:1	70,000	11	75,169
38	ROCHER DEBOULE	1915-1954	73	5,055	85,300	17:1	13,974	11	19,029
34	GOLDKEISH	1918-1938	74	4,831	26,443	6:1		11	4,831
130	DORATHA MORTON	1898-1925	75	4,595	10,633	2:1	31,500	11	36,095
182	GIBRALTAR	1972-1990*	76	4,511	1,895,248	422:1	58,800	41	63,311
118	MT.WASHINGTON	1961-1967	77	4,204	232,620	55:1	121,304	12	125,508
76	BULL RIVER	1972-1974	78	4,055	204,277	50:1	30,000	11	34,055
134	IRON MASK	1901-1928	79	3,794	14,843	4:1		42	3,794
81	SCRANTON	1948-1979	80	3,766	112,460	30:1		11	3,766
43	DUTHIE	1923-1983,85	81	3,695	1,721,623	466:1	1,519	11	5,214
78	WHITEWATER & HIGH. SURP.	1892-1976	82	3,315	3,414,491	1030:1		11	3,315
80	TILLICUM	1981,85-87	83	3,160	3,000	1:1	240,940	20	244,100
53	SILVER QUEEN	1972,1973	84	3,156	438,796	140:1	50,600	11	53,756
128	CARMI	1901-1940	85	2,994	9,675	3:1		11	2,994
93	KALAMAKA	1935-1944	86	2,898	3,474	1:1		11	2,898
85a	CHAPLEAU	1896-1941	87	2,853	14,844	5:1	216,000	11	218,853
116	THISTLE	1938-1942	88	2,760	2,120	1:1		31	2,760
87	SUSIE	1960-1976	89	2,639	48,822	19:1		11	2,639
75	ST. EUGENE	1899-1929	90	2,534	5,873,731	2310:1		11	2,534
105	CRAIGMONT	1961-1982	91	2,503	7,796	3:1		20	2,503
79	VICTOR	1923-1979	92	2,455	4,137,065	1690:1		11	2,455
64	LILY-IKEDA	1906-1920	93	1,664	27,960	17:1		20	1,664
125	YREKA	1902-1967	94	1,604	145,873	91:1	28,318	20	29,922
120	FANDORA	1960-1964	95	1,468	269	1:5	54,000	11	55,468
135	BIG SLIDE	1934-1940	96	1,282	2,463	2:1		11	1,282
24	INDIAN	1925-1953	97	1,258	49,514	39:1		11	1,258
103	RABBIT	1939-1941	98	1,057	583	1:2		11	1,057
27	EAST GOLD	1949-1965	99	1,019	3,170	3:1		11	1,019
151	BANBURY	1937	100	945	429	1:2	184,000	20.1	184,945

Table 1 (Continued)

Fig. 1 No.	DEPOSIT NAME	YEARS OF PRODUCTION (producing = *)	PROD. RANK	GOLD PRODUCTION (oz)	SILVER PRODUCTION (oz)	Ag:Au	GOLD RESERVES (oz)	DEPOSIT TYPE	TOTAL INVENTORY (Prod + Res) (oz)
173	HARRISON LAKE	1973-1981	101	886			291,600	10.1	292,486
25	PORTER-IDAHO	1922-1950	102	864	2,360,200	2732:1		11	864
42	COLUMARIO	1934,1935	103	679	1,868	3:1		11	679
176	GOLDFINCH TOTAL	1903-1904	104	675	190	1:3	55,056	11	55,731
60	CINOLA	1975,1981	105	415	240	1:2	1,889,280	12	1,889,695
45	DOME MOUNTAIN	1940-51,81-82	106	387	663	2:1	115,000	11	115,387
141	AL	1986	107	386			34,062	12	34,448
72a	HOMESTAKE	1935-1941	108	361	281,349	780:1	24,574	31	24,935
29	GEORGIA RIVER	1937	109	329	409	1:1	269,375	11	269,704
197	MILLIE MACK	1899-24,60,69,79	110	316	21,598	68:1	238,000	11	238,316
40	GLACIER GULCH	1933-1939	111	296	1,186	4:1		11	296
47	CRONIN	1914-1974	112	282	262,672	932:1	139,520	11	139,802
62	EARLY BIRD	1913-1939	113	280	39	1:7		11	280
30	ESPERANZA	1911-1948	114	256	143,115	560:1		11	256
44	HUNTER BASIN	1915-1941	115	238	8,265	35:1		11	238
35	VICTORIA	1926-1940	116	236			1,240	11	1,476
169	GOLDWEDGE	1982,1985	117	235			280,856	11	281,091
162	TRUE FISSURE	1900-1944	118	216	50,815	235:1	83,930	11	84,146
161	GREAT WESTERN	1907-1981	119	188	3,187	17:1	30,000	41	30,188
57	WESTERN COPPER	1928,1929	120	171	1,453	9:1		11	171
28	TORBRIT	1928-1959	121	110	18,646,304	169500:1		11	110
3	ATLIN RUFFNER	1916-1976	122	100	65,591	660:1	0	11	100
4	IMPERIAL	1899-1900	123	98	0			11	98
32	OUTSIDER	1906-1928	124	66	4,882	74:1		33	66
41	LUCKY LUKE	1924-1967	125	59	683	12:1		11	59
55	DRUMLUMMON	1918-1926	126	57	1,575	28:1		11	57
54	EMERALD GLACIER	1951-1968	127	48	83,494	1740:1	1,350	11	1,398
61	SOUTHEASTER	1919-1936	128	40	27	1:1		11	40
94	CHAPUT	1968-1976	129	39	54,569	3:1	34,844	11	34,883
37	SILVER CUP	1913-1955	130	34	128,794	3788:1		11	34
56	HUNTER	1933	131	29	11	1:3	36,330	11	36,359
46	LITTLE JOE	1927-1940	132	24	9,455	394:1		11	24
50	GOLDEN EAGLE	1934-1978	133	16	21,256	1329:1		11	16
148	TAYLOR-WINDFALL	1932-1935	134	15				11	15
39	VIRGINIA SILVER	1975,1976	135	12	22,440	1870:1	600	11	612
2	MAID OF ERIN	1911-1956	136	10	47,796	4780:1	0	20	10
144	TOPLEY-RICHFIELD	1938-1953	137	1	868	870:1	20,400	11	20,401
113	SENECA (HARRISON)	1962	138	0.5	3	6:1	41,525	31	41,526
			TOTALS:	21,973,088	621,980,973		11,904,981		33,936,453

Note: Production figures are to Dec. 31, 1990 and reserve figures are as of Jan. 1, 1991, unless otherwise stated.

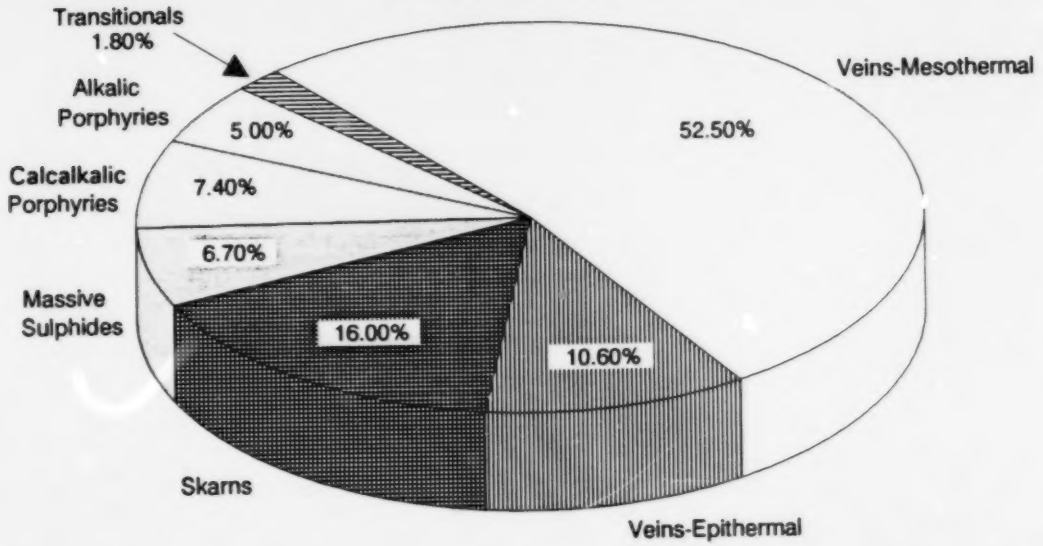
#107 = includes Lornex, Valley Copper, Bethlehem Copper and Highland Valley Copper: Production and Reserves.

DEPOSIT TYPES:

10 = VEIN; 11 = Vein Mesothermal, 12 = Vein Epithermal
20 = SKARN
30 = MASSIVE SULPHIDE, 31 = Volcanogenic (Kuroko),
32 = Volcanogenic (Besshi), 33 = Volcanogenic (Cyprus)
34 = Exhalative, Sedex
40 = PORPHYRY; 41 = Calc-Alkaline, 42 = Alkaline

TRANSITIONAL DEPOSITS: .1 = Trans. to Vein, .2 = Trans. to Skarn
.3 = Trans. to Massive Sulphide, .4 = Trans. to Porphyry
.01 (.02,.03, etc.)= Trans. to subdivision of group

B.C. LODE GOLD PRODUCTION (1890-1990)
BY DEPOSIT TYPE



Total Production: 21,973,088 ounces

Figure 3

TABLE 2
B.C. LODE GOLD PRODUCTION BY DEPOSIT TYPE
(1890 - 1990)

DEPOSIT TYPE	NUMBER OF PRODUCERS	GOLD PRODUCTION (oz)
Veins - Mesothermal	90	11,535,754
Skarns	14	3,524,044
Veins - Epithermal	10	2,340,109
Porphyries - Calcalkalic	7	1,624,597
Massive Sulphides	12	1,464,058
Porphyries - Alkalic	3	1,095,601
Transitionals	2	388,925
Total:	**138**	**21,973,088**

TABLE 3
B.C. LODE GOLD PRODUCTION (1890-1990)
VEINS - MESOTHERMAL

Fig. 1 No.	DEPOSIT NAME	YEARS OF PRODUCTION (producing = *)	PROD. RANK	TONS MINED OR MILLED	GOLD PRODUCTION (oz)	SILVER PRODUCTION (oz)	Ag:Au	GOLD RESERVES (oz)	TOTAL INVENTORY (Prod + Res) (oz)
109	BRIDGE RIVER CAMP	1900-1978	1	8,060,079	4,178,069	1,002,541	1:4	518,328	4,696,397
86	ROSSLAND CAMP	1894-1974	2	6,199,799	2,745,260	3,440,800	1:1	42,000	2,787,260
66	CARIBOO-BARKERVILLE CAMP	1933-67,80-87	5	3,027,928	1,231,214	165,382	1:7	49,020	1,280,234
83	SHEEP CREEK CAMP	1902-1981	8	1,667,596	761,456	280,495	1:3	123,090	884,546
58	SURF INLET	1917-26,36-43	13	1,012,060	388,881	201,210	1:2	19,950	408,831
149	YMIR CAMP	1899-1973	16	786,616	283,560	1,425,014	5:1	26,600	310,160
123	ZEBALLOS CAMP	1933-1953,75	17	718,475	276,067	120,140	1:2	172,183	448,250
9	CASSIAR CAMP	1979-1988	18	575,783	239,488	171,638	1:1	197,351	436,839
7	POLARIS TAKU	1938-1951	19	753,250	231,603	11,760	1:19	660,160	891,763
110	NORTHAIR	1976-1982	21	345,700	166,582	845,854	5:1	12,220	178,802
20	SCOTTIE GOLD	1981-1985	26	217,231	104,970	44,000	1:2	73,920	178,890
18	REG (JOHNNY MTN.)	1988-1990	31	207,058	84,806	133,039	2:1	0	84,806
91	CARIBOO-AMELIA	1894-1962	32	137,180	81,603	32,439	1:3	4,000	85,603
82a	GRANITE POORMAN	1890-1954	35	199,650	65,080	27,684	1:2	4,860	69,940
185	ARLINGTON CAMP	1900-1970,87	36	79,290	60,455	147,374	2:1	9,520	69,975
89	UNION	1913-1946,87	37	150,400	55,339	1,389,115	25:1	7,968	63,307
88a	GREENWOOD VEINS TOTAL	1893-1976,88	38	210,584	49,233	2,529,221	52:1	75,712	124,945
104	COQUIHALLA GOLD TOTAL	1982-1984	39	863,139	47,372	38,000	1:1	108,000	155,372
84	BAYONNE	1935-1951,84	42	86,102	42,152	120,282	3:1	56,580	98,732
51	JEWEL	1940-75,84-85	43	137,486	39,711	234,517	6:1	15,500	55,211
82	PERRIER	1913-1946	45	256	34,681	44,803	1:1	0	34,681
8	TAURUS	1981-1988	46	308,395	34,576	2,150	1:10	15,000	49,576
131	WINDPASS	1916-1944	47	80,800	34,455	1,719	20:1	0	34,455
132	VIDETTE	1933-1940	48	53,900	29,869	46,573	2:1	0	29,869
73	ECLIPSE	1911-1958	49	239,000	29,400	1,724,794	59:1	3,770	33,170
59	PORCHER ISLAND	1919-1939	51	67,870	20,574	230,755	11:1	304,600	325,174
145	GOLDEN BEAR	1990*	53	75,302	19,242	0		276,512	295,754
99	FAIRVIEW CAMP	1898-1949	55	152,050	17,038	169,494	10:1	199,448	216,486
90	BEAVERDELL	1913-1990	56	1,206,095	16,459	34,525,812	2080:1	0	16,459
36	SILVER STANDARD	1913-1985	58	225,246	14,975	7,623,712	509:1	830	15,805
180	SAMATOSUM	1989-1990*	59	273,666	11,871	7,275,017	595:1	15,968	27,839
85	ALPINE	1915-1948	60	17,000	11,451	7,119	2:1	105,000	116,451
100	HORN SILVER	1915-1984	61	483,614	10,686	4,089,471	383:1	0	10,686
26	DUNWELL	1926-1941	63	50,300	9,875	329,805	33:1	0	9,875
98	OROFINO & TWIN LAKES	1899-1942	64	21,800	8,846	2,393	1:4	0	8,846
133	PLANET	1926-1952	65	78,590	8,186	249,932	31:1	0	8,186
119	BUCCANEER & MUSKATEER	1941-1959	66	11,500	6,960	2,994	1:2	3,300	10,260
111	ASHLU	1932-1939	67	15,000	6,493	7,482	1:1	24,625	31,118
33	GRANBY POINT	1917-1938	68	62,040	5,795	196,260	34:1	0	5,795
129	CARIBOO-HUDSON	1938-1939	71	13,400	5,185	2,626	1:2	12,762	17,947
74	SILVER CUP	1895-1985	72	23,080	5,169	1,447,116	280:1	70,000	75,169
38	ROCHER DEBOULE	1915-1954	73	136,020	5,055	85,300	17:1	13,974	19,029
34	GOLDKEISH	1918-1938	74	50,890	4,831	26,443	6:1	0	4,831
130	DORATHA MORTON	1898-1925	75	10,250	4,595	10,633	2:1	31,500	36,095
76	BULL RIVER	1972-1974	78	520,100	4,055	204,277	50:1	30,000	34,055
81	SCRANTON	1948-1979	80	8,960	3,766	112,460	30:1	0	3,766
43	DUTHIE	1923-1983,85	81	81,707	3,695	1,721,623	466:1	1,519	5,214
78	WHITEWATER & H. SURPRISE	1892-1976	82	418,890	3,315	3,414,491	1030:1	0	3,315
53	SILVER QUEEN	1972,1973	84	200,200	3,156	438,796	140:1	50,600	53,756
128	CARMI	1901-1940	85	5,480	2,994	9,675	3:1	0	2,994

Table 3 (Continued)

Fig. 1 No.	DEPOSIT NAME	YEARS OF PRODUCTION (producing = *)	PROD. RANK	TONS MINED OR MILLED	GOLD PRODUCTION (oz)	SILVER PRODUCTION (oz)	Ag:Au	GOLD RESERVES (oz)	TOTAL INVENTORY (Prod + Res) (oz)
93	KALAMAKA	1935-1944	86	7,260	2,898	3,474	1:1	0	2,898
85a	CHAPLEAU	1896-1941	87	5,040	2,853	14,844	5:1	216,000	218,853
87	SUSIE	1960-1976	89	7,860	2,639	48,822	19:1	0	2,639
75	ST. EUGENE	1899-1929	90	1,610,400	2,534	5,873,731	2310:1	0	2,534
79	VICTOR	1923-1979	92	111,500	2,455	4,137,065	1690:1	0	2,455
120	FANDORA	1960-1964	95	900	1,468	269	1:5	54,000	55,468
135	BIG SLIDE	1934-1940	96	7,600	1,282	2,463	2:1	0	1,282
24	INDIAN	1925-1953	97	14,180	1,258	49,514	39:1	0	1,258
103	RABBIT	1939-1941	98	1,430	1,057	583	1:2	0	1,057
27	EAST GOLD	1949-1965	99	30	1,019	3,170	3:1	0	1,019
25	PORTER-IDAHO	1922-1950	102	30,050	864	2,360,200	2732:1	0	864
42	COLUMARIO	1934,1935	103	3,000	679	1,868	3:1	0	679
176	GOLDFINCH TOTAL	1903-1904	104	1,450	675	190	1:3	55,056	55,731
45	DOME MOUNTAIN	1940-51,81-82	106	5,862	387	663	2:1	115,000	115,387
29	GEORGIA RIVER	1937	109	500	329	409	1:1	269,375	269,704
197	MILLIE MACK	1899-24,60,69,79	110	340	316	21,598	68:1	238,000	238,316
40	GLACIER GULCH	1933-1939	111	180	296	1,186	4:1	0	296
47	CRONIN	1914-1974	112	28,480	282	262,672	932:1	139,520	139,802
62	EARLY BIRD	1913-1939	113	180	280	39	1:7	0	280
30	ESPERANZA	1911-1948	114	4,980	256	143,115	560:1	0	256
44	HUNTER BASIN	1915-1941	115	290	238	8,265	35:1	0	238
35	VICTORIA	1926-1940	116	50	236	0		1,240	1,476
169	GOLDWEDGE	1982,1985	117	330	235			280,856	281,091
162	TRUE FISSURE	1900-1944	118	5,313	216	50,815	235:1	83,930	84,146
57	WESTERN COPPER	1928,1929	120	230	171	1,453	9:1	0	171
28	TORBRIT	1928-1959	121	1,379,300	110	18,646,304	169500:1	0	110
3	ATLIN RUFFNER	1916-1976	122	1,280	100	65,591	660:1	0	100
4	IMPERIAL	1899-1900	123	290	98	0		0	98
41	LUCKY LUKE	1924-1967	125	110	59	683	12:1	0	59
55	DRUMLUMMON	1918-1926	126	1,030	57	1,575	28:1	0	57
54	EMERALD GLACIER	1951-1968	127	9,190	48	83,494	1740:1	1,350	1,398
61	SOUTHEASTER	1919-1936	128	500	40	27	1:1	0	40
94	CHAPUT	1968-1976	129	2,201	39	54,569	1400:1	34,844	34,883
37	SILVER CUP	1913-1955	130	6,620	34	128,794	3788:1	0	34
56	HUNTER	1933	131	4	29	11	1:3	36,330	36,359
46	LITTLE JOE	1927-1940	132	30	24	9,455	394:1	0	24
50	GOLDEN EAGLE	1934-1978	133	140	16	21,256	1329:1	0	16
148	TAYLOR-WINDFALL	1932-1935	134	610	15	0		0	15
39	VIRGINIA SILVER	1975,1976	135	275	12	22,440	1870:1	600	612
144	TOPLEY-RICHFIELD	1938-1953	137	47	1	868	870:1	20,400	20,401
	MESOTHERMAL VEIN TOTALS:			33,575,869	11,535,754	108,385,705		4,882,871	16,418,625

TABLE 4
B.C. LODE GOLD PRODUCTION (1890-1990)
SKARNS

Fig. 1 No.	DEPOSIT NAME	YEARS OF PRODUCTION (producing = *)	PROD. RANK	TONS MINED OR MILLED	GOLD PRODUCTION (oz)	SILVER PRODUCTION (oz)	Ag:Au	GOLD RESERVES (oz)	TOTAL INVENTORY (Prod + Res) (oz)
97	HEDLEY CAMP	1904-83,89-90*	4	7,997,982	1,924,729	443,818	1:8	346,676	2,271,405
88	GREENWOOD SKARNS TOTAL	1900-1978	6	31,836,731	1,191,431	7,219,470	6:1	199,646	1,391,077
124	MERRY WIDOW CAMP	1962-1973	23	2,956,894	126,407	392,869	3:1	30,000	156,407
117	TEXADA	1896-1976	25	23,282,705	106,508	1,286,450	12:1	93,884	200,392
186	SECOND RELIEF	1900-1959	29	228,203	100,234	27,856	1:4	0	100,234
63	TASU	1914-1983	41	22,965,511	43,066	1,620,205	36:1	0	43,066
101	DIVIDEND-LAKEVIEW	1907-1949	57	122,634	16,216	2,804	1:6	0	16,216
121	SILVERADO	1934-1938	70	130	5,567	10,294	2:1	0	5,567
80	TILLICUM	1981,85-87	83	3,726	3,160	3,000	1:1	240,940	244,100
105	CRAIGMONT	1961-1982	91	33,067,900	2,503	7,796	3:1	0	2,503
64	LILY-IKEDA	1906-1920	93	14,830	1,664	27,960	17:1	0	1,664
125	YREKA	1902-1967	94	147,200	1,604	145,873	91:1	28,318	29,922
151	BANBURY	1937	100	6,500	945	429	1:2	184,000	184,945
2	MAID OF ERIN	1911-1956	136	3,620	10	47,796	4780:1	0	10
		TOTALS:		122,634,566	3,524,044	11,236,620		1,123,464	4,647,508

TABLE 5
B.C. LODE GOLD PRODUCTION (1890-1990)
VEINS - EPITHERMAL

Fig. 1 No.	DEPOSIT NAME	YEARS OF PRODUCTION (producing = *)	PROD. RANK	TONS MINED OR MILLED	GOLD PRODUCTION (oz)	SILVER PRODUCTION (oz)	Ag:Au	GOLD RESERVES (oz)	TOTAL INVENTORY (Prod + Res) (oz)
23	PREMIER CAMP	1918-1976,89-90*	3	6,577,634	1,924,963	41,629,890	23:1	228,900	2,212,247
70	BLACKDOME	1986-1990	20	336,951	223,592	760,473	3:1	6,156	229,748
16	LAWYERS	1989-1990*	28	358,058	101,175	2,078,726	23:1	165,353	266,528
17	BAKER	1980-1983	44	87,740	37,558	742,198	20:1	30,800	68,358
92	DUSTY MAC	1969-1976	52	58,700	19,483	339,283	17:1	0	19,483
5	ENGINEER	1913-1952	54	17,150	18,058	8,950	1:2	0	18,058
142	SHASTA	1989-1990*	62	78,409	10,275	584,227	58:1	87,283	97,558
118	MT.WASHINGTON	1961-1967	77	396,000	4,204	232,620	55:1	121,304	125,508
60	CINOLA	1975,1981	105	6,130	415	240	1:2	1,889,280	1,889,695
141	AL	1986	107	230	386			34,062	34,448
		TOTALS:		7,917,002	2,340,109	46,376,607		2,563,138	4,961,831

TABLE 6
B.C. LODE GOLD PRODUCTION (1890-1990)
MASSIVE SULPHIDES

Fig. 1 No.	DEPOSIT NAME	YEARS OF PRODUCTION (producing = *)	PROD. RANK	TONS MINED OR MILLED	GOLD PRODUCTION (oz)	SILVER PRODUCTION (oz)	Ag:Au	GOLD RESERVES (oz)	TOTAL INVENTORY (Prod + Res) (oz)
122	MYRA FALLS	1966-1990*	10	12,756,951	604,928	23,780,273	32:1	660,146	1,265,074
112	BRITANNIA	1905-1977	11	52,783,960	493,069	5,815,395	12:1	0	493,069
31	ANYOX CAMP	1914-1936	24	24,672,600	124,081	6,914,330	60:1	54,000	178,081
6	TULSEQUAH CHIEF	1939-1957	30	1,029,090	94,257	3,400,772	36:1	640,000	734,257
21	GRANDUC	1971-1983	34	16,500,000	65,510	3,739,895	57:1	0	65,510
114	LENORA	1898-1964	40	305,000	44,491	934,522	21:1	0	44,491
115	SUNRO	1962-1978	50	1,465,000	28,912	72,747	3:1	29,603	58,515
77	SULLIVAN	1900-1990*	69	157,894,152	5,622	300,478,385	-	0	5,622
116	THISTLE	1938-1942	88	6,920	2,760	2,120	1:1	0	2,760
72a	HOMESTAKE	1935-1941	108	7,670	361	281,349	780:1	24,574	24,935
32	OUTSIDER	1906-1928	124	138,850	66	4,882	74:1	0	66
113	SENECA (HARRISON)	1962	138	280	0.5	3	6:1	41,525	41,526
		TOTALS:		257,560,473	1,464,058	345,424,673		1,449,848	2,913,906

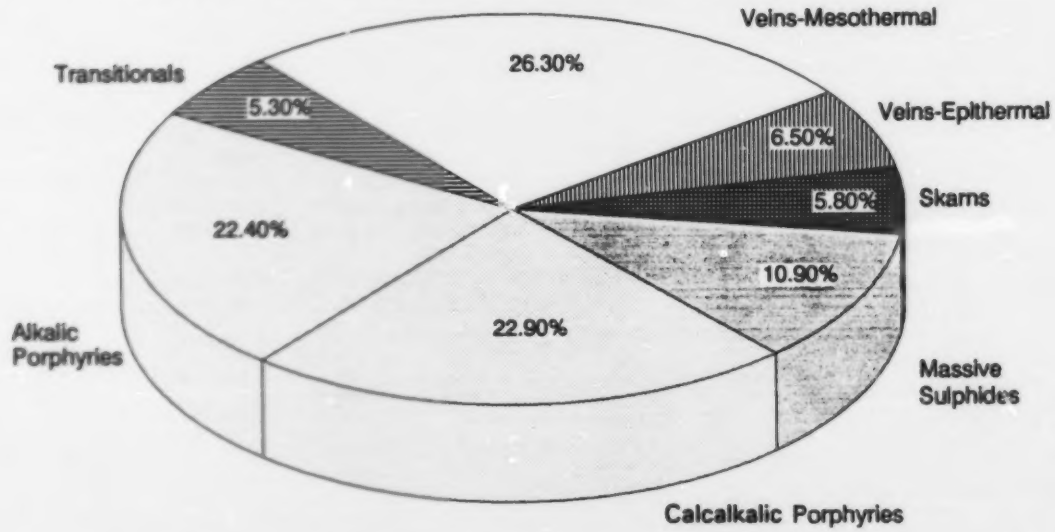
TABLE 7
B.C. LODE GOLD PRODUCTION (1890-1990)
PORPHYRIES

Fig. 1 No.	DEPOSIT NAME	YEARS OF PRODUCTION (producing = *)	PROD. RANK	TONS MINED OR MILLED	GOLD PRODUCTION (oz)	SILVER PRODUCTION (oz)	Ag:Au	GOLD RESERVES (oz)	TOTAL INVENTORY (Prod + Res) (oz)
	ALKALIC TYPE								
102	SIMILCO	1917-62,72-89-90*	9	165,956,285	636,851	8,408,729	12:1	335,600	972,451
106	AFTON CAMP	1977-1990*	12	57,275,509	454,956	2,454,145	6:1	573,927	1,028,883
134	IRON MASK	1901-1928	79	146,300	3,794	14,843	4:1	0	3,794
		SUBTOTAL:		223,378,094	1,095,601	10,877,717		909,527	2,005,128
	CALC-ALKALIC TYPE								
126	ISLAND COPPER	1971-1990*	7	288,736,096	919,411	7,182,615	7:1	241,200	1,160,611
48	BELL COPPER	1972-82,85-90*	15	77,650,842	375,464	1,083,372	3:1	66,000	441,464
49	GRANISLE	1966-1982	22	57,498,131	148,000	1,906,000	13:1	0	148,000
107	HIGHLAND VALLEY CU CAMP	1963-1990*	27	631,745,950	104,157	22,836,394	220:1	132,005	236,162
96	BRENDA	1970-1990	33	198,928,247	72,866	4,737,948	66:1	0	72,866
182	GIBRALTAR	1972-1990*	76	263,547,349	4,511	1,895,248	422:1	58,800	63,311
161	GREAT WESTERN	1907-1981	119	3,653	188	3,187	17:1	30,000	30,188
		SUBTOTAL:		1,518,110,268	1,624,597	39,644,764		528,005	2,152,602
		PORPHYRIES TOTAL:		1,741,488,362	2,720,198	50,522,481		1,437,532	4,157,730

TABLE 8
B.C. LODE GOLD PRODUCTION (1890-1990)
TRANSITIONALS

Fig. 1 No.	DEPOSIT NAME	YEARS OF PRODUCTION (producing = *)	PROD. RANK	TONS MINED OR MILLED	GOLD PRODUCTION (oz)	SILVER PRODUCTION (oz)	Ag:Au	GOLD RESERVES (oz)	TOTAL INVENTORY (Prod + Res) (oz)
52	EQUITY SILVER	1980-1990*	14	28,921,814	388,039	60,032,737	173:1	156,528	544,567
173	HARRISON LAKE	1973-1981	101	660	886			291,600	292,486
		TOTALS:		28,922,474	388,925	60,032,737		448,128	837,053

B.C. TOTAL LODE GOLD INVENTORY
(CURRENT RESERVES AND PAST PRODUCTION)



Total Inventory: 80,258,004 ounces

Figure 4

TABLE 9
1991 B.C. LODE GOLD RESERVES
BY RANK

RANK	DEPOSIT NAME	Fig. 1 No.	RESERVES (tons)	GOLD GRADE (opt)	RESERVES GOLD (oz)	TOTAL INVENTORY (Res + Prod) (oz)
1	FISH LAKE	69	526,429,000	0.011	5,790,719	5,790,719
2	MT. MILLIGAN	183	330,000,000	0.016	5,280,000	5,280,000
3	LIARD COPPER	13	1,000,000,000	0.004	4,000,000	4,000,000
4	SULPHURETS CAMP	19	43,393,815	0.092	3,978,060	3,978,060
5	ESKAY CREEK	192	5,691,000	0.674	3,822,280	3,822,280
6	GALORE CREEK	12	181,200,000	0.016	2,904,000	2,904,000
7	KEMESS	207	165,300,000	0.016	2,562,150	2,562,150
8	POISON MOUNTAIN	138	584,000,000	0.004	2,336,000	2,336,000
9	KERR	189	200,000,000	0.01	2,000,000	2,000,000
10	CINOLA	60	26,240,000	0.072	1,889,280	1,889,695
11	EXPO	187	159,000,000	0.11	1,694,000	1,694,000
12	WINDY-CRAGGY	1	231,630,000	0.006	1,273,970	1,273,970
13	COPPER CANYON	206	35,700,000	0.034	1,213,800	1,213,800
14	KATIE	212	200,000,000	0.005	1,000,000	1,000,000
15	MT. POLLEY	68	56,666,300	0.016	906,661	906,661
16	SNIP	171	1,032,000	0.875	903,000	903,000
17	FRASERGOLD	174	15,000,000	0.055	825,000	825,000
18	POLARIS TAKU	7	1,650,400	0.40	660,160	891,763
19	MYRA FALLS	122	11,002,425	0.06	660,146	1,265,074
20	TULSEQUAH CHIEF	6	8,000,000	0.08	640,000	734,257
21	AFTON CAMP	108	33,304,935	0.017	573,927	1,028,883
22	BRIDGE RIVER CAMP	109	2,183,267	0.237	518,328	4,696,397
23	RED-CHRIS	15	43,700,000	0.01	437,000	437,000
24	SPECTRUM	14	1,500,000	0.28	420,000	420,000
25	MORRISON	188	41,876,000	0.01	418,760	418,760
26	HEDLEY CAMP	97	4,887,000	0.071	346,676	2,271,405
27	RED MOUNTAIN	211	933,000	0.37	345,210	345,210
28	SIMILCO	102	167,800,000	0.002	335,600	972,451
29	GIANT COPPER	165	26,520,000	0.012	329,340	329,340
30	CAPOOSE	65	31,200,000	0.01	312,000	312,000
31	PORCHER ISLAND	59	1,523,000	0.20	304,600	325,174
32	CATFACE	198	200,000,000	0.002	300,000	300,000
33	HARRISON LAKE	173	2,430,000	0.12	291,600	292,486
34	GOLDWEDGE	169	373,224	0.75	280,856	281,091
35	GOLDEN BEAR	145	521,720	0.53	276,512	295,754
36	GEORGIA RIVER	29	321,067	0.839	269,375	269,704
37	TASEKO	203	11,078,000	0.023	254,794	254,794
38	ISLAND COPPER	126	120,600,000	0.002	241,200	1,160,611
39	TILLICUM	80	1,328,000	0.180	240,940	244,100
40	MILLIE MACK	197	1,700,000	0.140	238,000	238,316
41	PREMIER CAMP	23	3,270,000	0.070	228,900	2,153,863
42	QR	67	1,353,540	0.160	221,627	221,627
43	CHAPLEAU	85a	720,000	0.300	216,000	218,853
44	GREENWOOD SKARNS	88	2,588,670	0.080	199,646	1,391,077
45	FAIRVIEW CAMP	99	1,864,000	0.107	199,448	216,486
46	CASSIAR CAMP	9	346,230	0.570	197,351	436,839
47	J & L	140	890,750	0.210	187,058	187,058
48	BANBURY	151	4,000,000	0.046	184,000	184,945
49	ZEBALLOS CAMP	123	470,848	0.360	172,183	448,250
50	LAWYERS	16	688,970	0.240	165,353	266,528

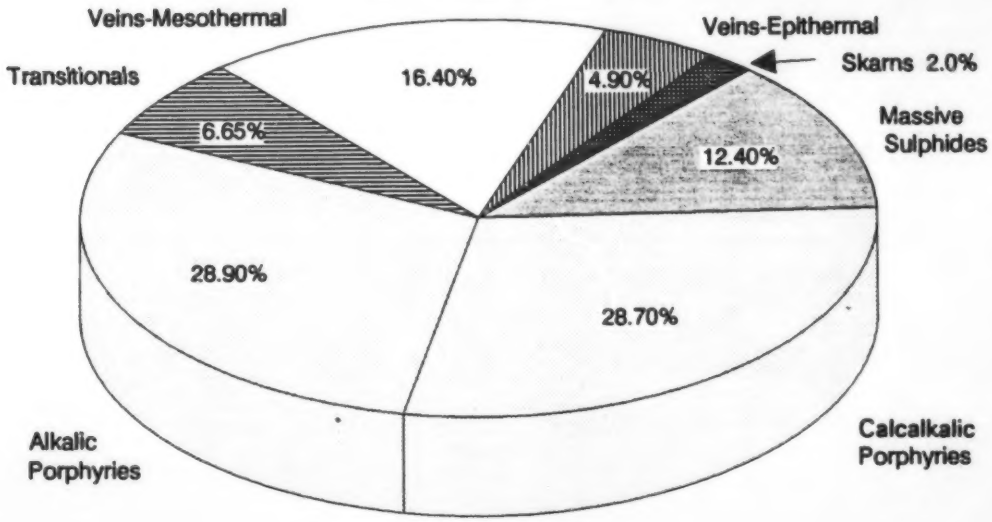
Table 9 (Continued)

RANK	DEPOSIT NAME	Fig. 1 No.	RESERVES (tons)	GOLD GRADE (opt)	RESERVES GOLD (oz)	TOTAL INVENTORY (Res + Prod) (oz)
51	LH	177	330,000	0.500	165,000	165,000
52	KUTCHO CREEK	137	15,772,900	0.010	157,729	157,729
53	EQUITY SILVER	52	6,522,000	0.024	156,528	544,567
54	TAKLA RAINBOW	158	471,290	0.320	150,813	150,813
55	YELLOW JACKET	166	500,000	0.300	150,000	150,000
56	ELK	213	234,000	0.633	148,122	148,122
57	HIGHLAND VALLEY COPPER CAMP	107	839,383,000	0.0002	142,695	294,270
58	CRONIN	47	320,000	0.436	139,520	139,802
59	SHEEP CREEK	83	373,000	0.330	123,090	884,546
60	MT. WASHINGTON	118	472,000	0.257	121,304	125,508
61	KENNEDY RIVER	194	222,605	0.540	120,606	120,606
62	DOME MOUNTAIN	45	324,000	0.360	116,640	116,640
63	COQUIHALLA	104	900,000	0.120	108,000	155,372
64	ECSTALL	191	7,000,000	0.015	105,000	105,000
65	ALPINE	85	210,000	0.500	105,000	116,451
66	LORRAINE	190	10,000,000	0.010	100,000	100,000
67	YELLOW GIANT	136	220,400	0.450	99,180	99,180
68	TEXADA	117	273,810	0.343	93,884	200,392
69	SHASTA	142	545,517	0.160	87,283	97,558
70	TRUE FISSURE	162	763,000	0.110	83,930	84,168
71	MACKTUSH CK	178	152,000	0.540	82,080	82,080
72	LARA	146	583,000	0.138	80,454	80,454
73	WILLA (ALWYN)	139	457,000	0.173	79,061	80,384
74	SPANISH LAKE	67a	981,060	0.080	78,485	78,485
75	GREENWOOD VEINS	88a	344,933	0.219	75,712	124,945
76	VINE (BAR)	209	1,500,000	0.050	75,000	75,000
77	SCOTTIE GOLD	20	132,000	0.560	73,920	178,890
78	SILVER CUP	74	700,000	0.100	70,000	75,169
79	VAULT	184	167,548	0.408	68,360	68,360
80	DOC (GRACY)	168	207,000	0.320	66,240	66,240
81	BELL COPPER	48	6,600,000	0.010	66,000	441,464
82	GOLDEN LION	210	2,265,000	0.028	63,420	63,420
83	SNOWBIRD	196	300,000	0.210	63,000	63,000
84	MEGABUCKS	199	2,300,000	0.027	62,100	62,100
85	GIBRALTAR	182	180,400,000	0.0002	58,800	63,311
86	BAYONNE	84	138,000	0.410	56,580	98,732
87	GOLDFINCH	176	186,000	0.296	55,056	55,726
88	ANYOX	31	18,000,000	0.003	54,000	178,031
89	FANDORA	120	200,000	0.270	54,000	55,468
90	KAMAD	72b	242,440	0.220	53,337	53,337
91	SILVER QUEEN	53	230,000	0.220	50,600	53,756
92	LINDQUIST	143	200,000	0.250	50,000	85,800
93	CARIBOO GOLD QTZ	66	430,000	0.114	49,020	1,280,234
94	ROCK & ROLL	214	640,000	0.072	46,080	46,080
95	HANK	167	454,000	0.100	45,400	45,400
96	GOLDEN STRANGER	204	550,000	0.080	44,000	44,000
97	ROSSLAND CAMP	86	100,000	0.420	42,000	2,787,260
98	DEBBIE	163	267,714	0.150	41,898	41,898
99	SENECA	113	1,661,000	0.025	41,525	41,526
100	REA GOLD	72	160,000	0.247	39,520	39,520

Table 9 (Continued)

RANK	DEPOSIT NAME	Fig. 1 No.	RESERVES (tons)	GOLD GRADE (opt)	RESERVES GOLD (oz)	TOTAL INVENTORY (Res + Prod) (oz)
101	WISCONSIN	154	350,000	0.110	38,500	38,500
102	METS	160	160,000	0.230	36,800	36,800
103	TODD CREEK	205	228,860	0.160	36,618	36,618
104	HUNTER	56	103,800	0.350	36,330	36,359
105	CHAPUT	94	281,000	0.124	34,844	34,883
106	RED ELEPHANT	201	29,177	1.190	34,721	34,721
107	AL	141	110,951	0.307	34,062	34,448
108	DORATHA MORTON	130	90,000	0.350	31,500	36,095
109	BAKER	17	55,000	0.560	30,800	68,358
110	SILVER BUTTE	147	105,830	0.289	30,585	30,585
111	BULL RIVER	76	2,000,000	0.015	30,000	34,055
112	GREAT WESTERN	161	200,000	0.150	30,000	30,188
113	MERRY WIDOW CAMP	124	300,000	0.100	30,000	156,407
114	SUNRO	115	1,500,000	0.020	29,603	58,515
115	YREKA	125	141,590	0.200	28,318	29,922
116	YMIR CAMP	149	95,000	0.280	26,600	310,160
117	KLI (Kennco)	193	500,000	0.050	25,000	25,000
118	ASHLU	111	98,500	0.250	24,625	31,118
119	HOMESTAKE	72a	877,652	0.028	24,574	24,935
120	PAYDIRT	159	200,000	0.120	24,000	24,000
121	PELLAIRE	155	34,000	0.650	22,100	22,100
122	TOPLEY-RICHFIELD	144	170,000	0.120	20,400	20,401
123	SURF INLET	58	57,000	0.350	19,950	408,831
124	CHU CHUA (CC)	71	1,150,000	0.017	19,550	19,550
125	NEW MOON	200	672,458	0.029	19,501	19,501
126	MAMIE	179	60,000	0.320	19,200	19,200
127	SHERWOOD	164	30,500	0.535	16,318	16,318
128	SAMATOSUM	180	532,266	0.030	15,968	27,839
129	JEWEL	51	50,000	0.310	15,500	55,211
130	THUNDER	157	50,000	0.300	15,000	15,000
131	TAURUS (HANNA)	8	60,000	0.250	15,000	49,576
132	VALENTINE MTN.	153	33,795	0.429	14,498	14,498
133	ROCHER DEBOULE	38	137,000	0.102	13,974	19,029
134	SHELL (CROY)	195	80,000	0.160	12,800	12,800
135	CARIBOO-HUDSON	129	35,450	0.360	12,762	17,947
136	NORTHAIR	110	52,000	0.235	12,220	178,802
137	SILVER POND	152	70,000	0.170	11,900	11,900
138	GERLE GOLD	175	50,054	0.220	11,012	11,012
139	DOCTORS POINT	127	100,000	0.100	10,000	10,000
140	ARLINGTON CAMP	185	68,000	0.140	9,520	69,975
141	UNION	89	83,000	0.096	7,968	63,307
142	SMITH-NASH	170	22,190	0.302	6,701	6,701
143	VILLALTA	202	48,434	0.134	6,490	6,490
144	BLACKDOME	70	12,564	0.490	6,156	229,748
145	BONAPARTE	172	10,000	0.600	6,000	6,000
146	GRANITE POORMAN	82a	18,000	0.270	4,860	69,940
147	CARIBOO-AMELIA	91	8,000	0.500	4,000	85,603
148	ECLIPSE	73	29,000	0.130	3,770	33,170
149	MUSKATEER & BUCCANEER	119	11,000	0.300	3,300	10,260
150	DUTHIE	43	21,700	0.070	1,519	5,214
151	EMERALD GLACIER	54	45,000	0.030	1,350	1,398
152	VICTORIA	35	1,000	1.240	1,240	1,476
153	SILVER STANDARD	36	10,000	0.083	830	15,805
154	VIRGINIA SILVER	39	20,000	0.030	600	612
	TOTALS:		5,606,553,149		58,284,916	79,022,104

1991 B.C. LODE GOLD RESERVES
BY DEPOSIT TYPE



Total Reserves: 58,284,916 ounces

Figure 5

TABLE 10
1991 B.C. LODE GOLD RESERVES
BY DEPOSIT TYPE

DEPOSIT TYPE	NUMBER OF DEPOSITS	GOLD RESERVES (oz)
Porphyries - Alkalic	12	16,864,105
Porphyries - Calcalkalic	15	16,724,029
Veins - Mesothermal	83	9,555,026
Massive Sulphides	17	7,241,315
Transitionals	4	3,874,128
Veins - Epithermal	17	2,877,849
Skarns	8	1,148,464
Totals:	**156**	**58,284,916**

TABLE 11
1991 B.C. LODE GOLD RESERVES
PORPHYRIES

RANK	DEPOSIT NAME	Fig. 1 No.	RESERVES (tons)	GOLD GRADE (opt)	RESERVES GOLD (oz)	TOTAL INVENTORY (Res + Prod) (oz)
	ALKALIC TYPE					
2	MT. MILLIGAN	183	330,000,000	0.016	5,280,000	5,280,000
6	GALORE CREEK	12	181,200,000	0.016	2,904,000	2,904,000
7	KEMESS	207	165,300,000	0.016	2,562,150	2,562,150
9	KERR	189	200,000,000	0.01	2,000,000	2,000,000
13	COPPER CANYON	206	35,700,000	0.034	1,213,800	1,213,800
15	MT. POLLEY	68	56,666,300	0.016	906,661	906,661
21	AFTON CAMP	108	33,304,935	0.017	573,927	1,028,883
23	RED-CHRIS	15	43,700,000	0.01	437,000	437,000
28	SIMILCO	102	167,800,000	0.002	335,600	972,451
29	GIANT COPPER	165	26,520,000	0.012	329,340	329,340
42	QR	67	1,353,540	0.160	221,627	221,627
66	LORRAINE	190	10,000,000	0.010	100,000	100,000
	SUBTOTAL:		1,251,544,775		16,864,105	17,955,912
	CALC-ALKALIC TYPE					
1	FISH LAKE	69	526,429,000	0.011	5,790,719	5,790,719
3	LIARD COPPER	13	1,000,000,000	0.004	4,000,000	4,000,000
8	POISON MOUNTAIN	138	584,000,000	0.004	2,336,000	2,336,000
11	EXPO	187	159,000,000	0.011	1,694,000	1,694,000
14	KATIE	212	200,000,000	0.005	1,000,000	1,000,000
25	MORRISON	188	41,876,000	0.01	418,760	418,760
30	CAPOOSE	65	31,200,000	0.01	312,000	312,000
32	CATFACE	198	200,000,000	0.002	300,000	300,000
37	TASEKO	203	11,078,000	0.023	254,794	254,794
38	ISLAND COPPER	126	120,600,000	0.002	241,200	1,160,611
57	HIGHLAND VALLEY COPPER	107B	839,383,000	0.00017	142,695	294,270
73	WILLA (ALWYN)	139	457,000	0.173	79,061	80,384
81	BELL COPPER	48	6,600,000	0.010	66,000	441,464
82	GIBRALTAR	182	180,400,000	0.0002	58,800	63,311
112	GREAT WESTERN	161	200,000	0.150	30,000	30,188
	SUBTOTAL:		3,901,223,000		16,724,029	18,176,501
	PORPHYRIES TOTAL:		5,152,767,775		33,588,134	36,132,413

TABLE 12
1991 B.C. LODE GOLD RESERVES
VEINS - MESOTHERMAL

RANK	DEPOSIT NAME	Fig. 1 No.	RESERVES (tons)	GOLD GRADE (opt)	RESERVES GOLD (oz)	TOTAL INVENTORY (Res + Prod) (oz)
15	SNIP	171	1,032,000	0.875	903,000	903,000
16	FRASERGOLD	174	15,000,000	0.055	825,000	825,000
[4]	SULPHURETS (BRUCEJACK)	19A	1,393,815	0.346	552,060	552,060
18	POLARIS TAKU	7	1,650,400	0.40	660,160	891,763
22	BRIDGE RIVER CAMP	109	2,183,267	0.237	518,328	4,696,397
24	SPECTRUM	14	1,500,000	0.28	420,000	420,000
27	RED MOUNTAIN	211	933,000	0.37	345,210	345,210
31	PORCHER ISLAND	59	1,523,000	0.20	304,600	325,174
34	GOLDWEDGE	169	373,224	0.75	280,856	281,091
35	GOLDEN BEAR	145	521,720	0.53	276,512	295,754
36	GEORGIA RIVER	29	321,067	0.839	269,375	269,704
40	MILLIE MACK	197	1,700,000	0.140	238,000	238,316
43	CHAPLEAU	85a	720,000	0.300	216,000	218,853
45	FAIRVIEW CAMP	99	1,864,000	0.107	199,448	216,486
46	CASSIAR CAMP	9	346,230	0.570	197,351	436,839
49	ZEBALLOS CAMP	123	470,848	0.360	172,183	448,250
51	LH	177	330,000	0.500	165,000	165,000
54	TAKLA RAINBOW	158	471,290	0.320	150,813	150,813
55	YELLOW JACKET	166	500,000	0.300	150,000	150,000
56	ELK	213	234,000	0.633	148,122	148,122
58	CRONIN	47	320,000	0.436	139,520	139,802
59	SHEEP CREEK	83	373,000	0.330	123,090	884,546
61	KENNEDY RIVER	194	222,605	0.540	120,606	120,606
62	DOME MOUNTAIN	45	324,000	0.360	116,640	116,640
63	COQUIHALLA GOLD	104A	900,000	0.120	108,000	155,372
65	ALPINE	85	210,000	0.500	105,000	116,451
67	YELLOW GIANT	136	220,400	0.450	99,180	99,180
70	TRUE FISSURE	162	763,000	0.110	83,930	84,168
71	MACKTUSH CK	178	152,000	0.540	82,080	82,080
74	SPANISH LAKE	67a	981,060	0.080	78,485	78,485
75	GREENWOOD VEINS	88a	344,933	0.219	75,712	124,945
76	VINE (BAR)	209	1,500,000	0.050	75,000	75,000
77	SCOTTIE GOLD	20	132,000	0.560	73,920	178,890
78	SILVER CUP	74	700,000	0.100	70,000	75,169
80	DOC (GRACY)	168	207,000	0.320	66,240	66,240
83	SNOWBIRD	196	300,000	0.210	63,000	63,000
86	BAYONNE	84	138,000	0.410	56,580	98,732
87	GOLDFINCH	176	186,000	0.296	55,056	55,726
89	FANDORA	120	200,000	0.270	54,000	55,468
91	SILVER QUEEN	53	230,000	0.220	50,600	53,756

Table 12 (Continued)

RANK	DEPOSIT NAME	Fig. 1 No.	RESERVES (tons)	GOLD GRADE (opt)	RESERVES GOLD (oz)	TOTAL INVENTORY (Res + Prod) (oz)
92	LINDQUIST	143	200,000	0.250	50,000	85,800
93	CARIBOO GOLD QTZ	66A	430,000	0.114	49,020	1,280,234
95	HANK	167	454,000	0.100	45,400	45,400
97	ROSSLAND CAMP	86	100,000	0.420	42,000	2,787,260
98	DEBBIE	163	267,714	0.150	41,898	41,898
101	WISCONSIN	154	350,000	0.110	38,500	38,500
103	TODD CREEK	205	228,860	0.160	36,618	36,618
104	HUNTER	56	103,800	0.350	36,330	36,359
105	CHAPUT	94	281,000	0.124	34,844	55,205
106	RED ELEPHANT	201	29,177	1.190	34,721	34,721
108	DORATHA MORTON	130	90,000	0.350	31,500	36,095
110	SILVER BUTTE	147	105,830	0.289	30,585	30,585
111	BULL RIVER	76	2,000,000	0.015	30,000	34,055
116	YMIR CAMP	149	95,000	0.280	26,600	310,160
118	ASHLU	111	98,500	0.250	24,625	31,118
120	PAYDIRT	159	200,000	0.120	24,000	24,000
121	PELLAIRE	155	34,000	0.650	22,100	22,100
122	TOPLEY-RICHFIELD	144	170,000	0.120	20,400	20,401
123	SURF INLET	58	57,000	0.350	19,950	408,831
126	MAMIE	179	60,000	0.320	19,200	19,200
127	SHERWOOD	164	30,500	0.535	16,318	16,318
128	SAMATOSUM	180	532,266	0.030	15,968	27,839
129	JEWEL	51	50,000	0.310	15,500	55,211
130	THUNDER	157	50,000	0.300	15,000	15,000
131	TAURUS (HANNA)	8	60,000	0.250	15,000	49,576
132	VALENTINE MTN.	153	33,795	0.429	14,498	14,498
133	ROCHER DEBOULE	38	137,000	0.102	13,974	19,029
134	SHELL (CROY)	195	80,000	0.160	12,800	12,800
135	CARIBOO-HUDSON	129	35,450	0.360	12,762	17,947
136	NORTHAIR	110	52,000	0.235	12,220	178,802
138	GERLE GOLD	175	50,054	0.220	11,012	11,012
139	DOCTORS POINT	127	100,000	0.100	10,000	10,000
140	ARLINGTON CAMP	185	68,000	0.140	9,520	69,975
141	UNION	89	83,000	0.096	7,968	63,307
142	SMITH-NASH	170	22,190	0.302	6,701	6,701
145	BONAPARTE	172	10,000	0.600	6,000	6,000
147	CARIBOO-AMELIA	91	8,000	0.500	4,000	85,603
149	MUSKATEER & BUCCANEER	119	11,000	0.300	3,300	10,260
150	DUTHIE	43	21,700	0.070	1,519	5,214
151	EMERALD GLACIER	54	45,000	0.030	1,350	1,398
152	VICTORIA	35	1,000	1.240	1,240	1,476
153	SILVER STANDARD	36	10,000	0.083	830	15,805
154	VIRGINIA SILVER	39	20,000	0.030	600	612
MESOTHERMAL VEIN TOTALS:			658,036,897		24,037,656	36,962,621

TABLE 13
1991 B.C. LODE GOLD RESERVES
MASSIVE SULPHIDES

RANK	DEPOSIT NAME	Fig. 1 No.	RESERVES (tons)	GOLD GRADE (opt)	RESERVES GOLD (oz)	TOTAL INVENTORY (Res + Prod) (oz)
5	ESKAY CREEK	192	5,691,000	0.674	3,822,280	3,822,280
12	WINDY-CRAGGY	1	231,630,000	0.006	1,273,970	1,273,970
19	MYRA FALLS	122	11,002,425	0.06	660,146	1,265,074
20	TULSEQUAH CHIEF	6	8,000,000	0.08	640,000	734,257
47	J & L	140	890,750	0.210	187,058	187,058
52	KUTCHO CREEK	137	15,772,900	0.010	157,729	157,729
64	ECSTALL	191	7,000,000	0.015	105,000	105,000
72	LARA	146	583,000	0.138	80,454	80,454
88	ANYOX	31A	18,000,000	0.003	54,000	178,031
90	KAMAD	72b	242,440	0.220	53,337	53,337
94	ROCK & ROLL	214	640,000	0.072	46,080	46,080
99	SENECA	113	1,661,000	0.025	41,525	41,526
100	REA GOLD	72	160,000	0.247	39,520	39,520
114	SUNRO	115	1,500,000	0.020	29,603	58,515
119	HOMESTAKE	72a	877,652	0.028	24,574	24,935
124	CHU CHUA (CC)	71	1,150,000	0.017	19,550	19,550
143	VILLALTA	202	48,434	0.134	6,490	6,490
	TOTALS:		304,849,601		7,241,315	8,093,805

TABLE 14
1991 B.C. LODE GOLD RESERVES
VEINS - EPITHERMAL

RANK	DEPOSIT NAME	Fig. 1 No.	RESERVES (tons)	GOLD GRADE (opt)	RESERVES GOLD (oz)	TOTAL INVENTORY (Res + Prod) (oz)
10	CINOLA	60	26,240,000	0.072	1,889,280	1,889,695
41	PREMIER CAMP	23	3,270,000	0.070	228,900	2,153,863
50	LAWYERS	16	688,970	0.240	165,353	266,528
60	MT. WASHINGTON	118	472,000	0.257	121,304	125,508
69	SHASTA	142	545,517	0.160	87,283	97,558
79	VAULT	184	167,548	0.408	68,360	68,360
82	GOLDEN LION	210	2,265,000	0.028	63,420	63,420
84	MEGABUCKS	199	2,300,000	0.027	62,100	62,100
96	GOLDEN STRANGER	204	550,000	0.080	44,000	44,000
102	METS	160	160,000	0.230	36,800	36,800
107	AL	141	110,951	0.307	34,062	34,448
109	BAKER	17	55,000	0.560	30,800	68,358
125	NEW MOON	200	672,458	0.029	19,501	19,501
137	SILVER POND	152	70,000	0.170	11,900	11,900
144	BLACKDOME	70	12,564	0.490	6,156	229,748
146	GRANITE POORMAN	82a	18,000	0.270	4,860	69,940
148	ECLIPSE	73	29,000	0.130	3,770	33,170
	TOTALS:		37,627,008		2,877,849	5,274,897

TABLE 15
1991 B.C. LODE GOLD RESERVES
SKARNS

RANK	DEPOSIT NAME	Fig. 1 No.	RESERVES (tons)	GOLD GRADE (opt)	RESERVES GOLD (oz)	TOTAL INVENTORY (Res + Prod) (oz)
26	HEDLEY CAMP	97	4,887,000	0.071	346,676	2,271,405
39	TILLICUM	80	1,328,000	0.180	240,940	244,100
44	GREENWOOD SKARNS	88	2,588,670	0.080	199,646	1,391,077
48	BANBURY	151	4,000,000	0.046	184,000	184,945
68	TEXADA	117	273,810	0.343	93,884	200,392
113	MERRY WIDOW CAMP	124	300,000	0.100	30,000	156,407
115	YREKA	125	141,590	0.200	28,318	29,922
117	KLI (Kennco)	193	500,000	0.050	25,000	25,000
	TOTALS:		14,019,070		1,148,464	4,503,248

TABLE 16
1991 B.C. LODE GOLD RESERVES
TRANSITIONALS

RANK	DEPOSIT NAME	Fig. 1 No.	RESERVES (tons)	GOLD GRADE (opt)	RESERVES GOLD (oz)	TOTAL INVENTORY (Res + Prod) (oz)
[4]	SULPHURETS:	19				
	SNOWFIELDS GOLD	19B	22,000,000	0.083	1,826,000	1,826,000
	SULPHURETS BRECCIA	19C	20,000,000	0.080	1,600,000	1,600,000
33	HARRISON LAKE	173	2,430,000	0.12	291,600	292,486
53	EQUITY SILVER	52	6,522,000	0.024	156,528	544,567
	TOTALS:		50,952,000		3,874,128	4,263,053

APPENDIX 1
BRITISH COLUMBIA OPERATING LODE METAL MINES IN 1990
BY RANK , OUNCES OF GOLD PRODUCED

DEPOSIT NAME (FIG. 1 NO.)	DEPOSIT TYPE	MILLING (tpd)	PRODUCTION (tons)	GOLD (oz)	SILVER (oz)	COPPER (lbs)	LEAD (lbs)	ZINC (lbs)	MOLY (lbs)	WORK FORCE	MINE LIFE
Nickel Plate (97A)	SKARN	3,450	1,258,018	**76,296**	27,182					175	1993
Equity Silver (52)	TRANS	8,350	3,468,000	**67,000**	7,348,000	13,786,000				200	1992
Myra Falls (122)	VMS	4,000	1,291,985	**55,000**	798,000	42,287,000	198,000	63,346,000		648	1995
Lawyers (16)	VEIN	550	203,098	**52,630**	1,160,426					145	1995
Premier Gold (23)	VEIN	2,200	638,738	**47,577**	594,962					160	1996
Blackdome (70)*	VEIN	220	80,372	**42,074**	256,751					48	1990
Reg (18)**	VEIN	250	106,827	**38,197**	54,627	847,456				104	1990
Island Copper (126)	PORPHYRY	55,000	20,252,183	**31,174**	477,226	107,833,000			3,913,000	550	1996
Bell Copper (48)	PORPHYRY	15,400	5,981,531	**28,980**	102,812	47,165,654				290	1996
Afton/Ajax (108A)	PORPHYRY	11,000	24,134,119	**25,179**	30,562	24,100,000				207	1997
Golden Bear (145)	VEIN	300	75,302	**19,242**						106	1996
Similco (102c)	PORPHYRY	25,000	7,441,000	**13,617**	311,660	56,418,000				330	2000
Highland Valley Cu (107)	PORPHYRY	145,000	51,068,900	**12,999**	1,967,000	372,980,528			4,208,214	1,230	2010
Shasta (142)	VEIN	177	63,970	**9,300**	516,411					28	1992
Samatosum (180)	VEIN	500	186,575	**8,946**	5,533,743	3,225,000	5,831,000	7,099,000		53	1994
Brenda (96)***	PORPHYRY	33,000	4,719,900	**1,475**	96,266	13,133,000			2,784,000	380	1990
Beaverdell (90)****	VEIN	100	39,957	**150**	368,569		323,039	319,193		36	1991
Gibraltar (182)	PORPHYRY	35400	12,899,200	**0**	146,867	72,609,400			1,462,900	301	2004
Sullivan (77)#	VMS	8,250	440,479	**0**	211,909		36,089,433	45,264,845		675	2000
Endako	PORPHYRY	30,000	10,700,000	**0**					14,312,000	200	2001
Silvana	VEIN	125	36,692	**0**	435,195		3,878,791	4,145,777		39	1992
TOTALS:				**529,836**	20,438,268	754,385,038	46,320,263	120,174,815	26,680,114	5,905	

Note: Preliminary data compiled from company annual reports and company personnel.
* Closed (January, 1991); ** Closed (September, 1990); *** Closed (June 8, 1990);
**** Closed (February, 1991), gold production is an estimate;
# Produced November and December only.

APPENDIX 2
ALPHABETICAL INDEX

DEPOSIT OR CAMP NAME	FIG.1 NO.	DEPOSIT OR CAMP NAME	FIG.1 NO.
AFTON	108A	CPW (SPANISH LAKE)	67a
AJAX	108B	CRAIGMONT	105
AL	141	CRONIN	47
ALPINE	85	CROY	195
AMERICAN BOY, SILVER CUP	37	CUSAC	10
ANYOX CAMP	31	DEBBIE	163
ARLINGTON	185	DIVIDEND-LAKEVIEW	101
ASHLU	111	DOC	168
ATLIN RUFFNER	3	DOCTORS POINT	127
A.M.	165	DOME MOUNTAIN	45
BAKER	17	DORATHA MORTON	130
BANBURY	171	DRUMLUMMON	55
BAYONNE	84	DUNWELL	26
BEAVERDELL	90	DUSTY MAC	92
BELL COPPER	48	DUTHIE	43
BENSON LAKE	124B	EARLY BIRD	62
BETHLEHEM COPPER	107A	EAST GOLD	27
BIG MISSOURI	22	ECLIPSE	73
BIG SLIDE	135	ECSTALL	191
BLACKDOME	70	ELK	213
BONAPARTE	172	EMERALD GLACIER	54
BRALORNE	109A	ENGINEER	5
BRENDA	96	EQUITY SILVER	52
BRETT	150	ERICKSON GOLD	9
BRIDGE RIVER CAMP	109	ESKAY CREEK	192
BRITANNIA	112	ESPERANZA	30
BUCCANEER	119	EXPO	187
BULL RIVER	76	FAIRVIEW CAMP	99
CAPOOSE	65	FAIRVIEW (MORNING STAR)	99B
CARIBOO GOLD QTZ	66A	FANDORA	120
CARIBOO-AMELIA	91	FISH LAKE	69
CARIBOO-BARKERVILLE CAMP	66	FRASERGOLD	174
CARIBOO-BELL (MT. POLLEY)	68	GALORE CREEK	12
CARIBOO-HUDSON	129	GEORGIA RIVER	29
CARMI	128	GERLE GOLD	175
CAROLIN	104	GIANT COPPER	165
CASSIAR CAMP	9	GIBRALTAR	182
CATFACE	198	GLACIER GULCH (NORTH)	40
CHAPLEAU, KILO	85a	GOLDEN BEAR	145
CHAPUT	94	GOLDEN EAGLE	50
CHU CHUA	71	GOLDEN LION	210
CINOLA	60	GOLDEN STRANGER	204
COAST COPPER	124	GOLDFINCH	176
COLUMARIO	42	GOLDKEISH	34
CONGRESS	109E	GOLDWEDGE	169
COPPER CANYON	206	GRANBY POINT	33
COQUIHALLA GOLD BELT	104	GRANDUC	21

Appendix 2 (Continued)

DEPOSIT OR CAMP NAME	FIG.1 NO.	DEPOSIT OR CAMP NAME	FIG.1 NO.
GRANISLE	49	MERRY WIDOW CAMP	124
GRANITE POORMAN	82a	METS	160
GREAT WESTERN	161	MILLIE MACK	197
GREENWOOD SKARNS	88	MORRISON	188
GREENWOOD VEINS	88a	MOSQUITO CK.	66B
HANK	167	MOUNT POLLEY	68
HARRISON	113	MT. MILLIGAN	183
HARRISON LAKE GOLD	173	MT. WASHINGTON	118
HEDLEY CAMP	97	MUSKETEER	119
HEDLEY TAILINGS	97G	MYRA FALLS	122
HIGHLAND BELL (BEAVERDELL)	90	NEW MOON	200
HIGHLAND SURPRISE	78	NICKEL PLATE	97A
HIGHLAND VALLEY COPPER CAMP	107	NORTHAIR	110
HOMESTAKE	72a	OLD SPORT	124A
HORN SILVER	100	OROFINO & TWIN LAKES	96
HUNTER	56	OUTSIDER	32
HUNTER BASIN	44	PAYDIRT	159
H-W	122	PELLAIRE	155
IMPERIAL	4	PERRIER	82
INDIAN	24	PIONEER	109B
IRON MASK	134	PLANET	133
ISLAND COPPER	126	PLAZA (VOLLAUG)	11
ISLAND MT.	66A	POISON MOUNTAIN	138
J & L	140	POLARIS TAKU	7
JEWEL	51	PORCHER ISLAND	59
KALAMAKA	93	PORTER-IDAHO	25
KAMAD	72b	PREMIER CAMP	23
KATIE	212	PRICE	122
KEMESS	207	PRIVATEER	123B
KENNEDY RIVER CAMP	194	QR	67
KERR	189	RABBIT	103
KILO, CHAPLEAU	85a	REA GOLD	72
KLI (KENNCO)	193	RED-CHRIS	15
KUTCHO CREEK	137	RED ELEPHANT	201
LARA	146	RED MOUNTAIN	211
LAWYERS	16	REG(JOHNNY MTN.)	18
LENORA, TYEE	114	RELIANCE	109F
LH	193	ROCHER DEBOULE	38
LIARD COPPER	13	ROCK & ROLL	214
LILY-IKEDA	64	ROSSLAND CAMP	86
LINDQUIST	143	SAMATOSUM	180
LITTLE JOE	46	SCHAFT CREEK	13
LORNEX	106	SCOTTIE GOLD	20
LORRAINE	190	SCRANTON	81
LUCKY LUKE	41	SECOND RELIEF	186
LYNX	122	SENECA	113
MACKTUSH CK.	178	SHASTA	142
MAID OF ERIN	2	SHEEP CREEK CAMP	83
MAMIE	179	SHELL (CROY)	195
MASCOT TAILINGS	97F	SHERWOOD	164
MEGABUCKS	199	SILVER BUTTE	147

Appendix 2 (Continued)

DEPOSIT OR CAMP NAME	FIG.1 NO.
SILVER CUP	74
SILVER CUP, AMERICAN BOY	37
SILVER POND	152
SILVER QUEEN	53
SILVER STANDARD	36
SILVERADO	121
SIMILCO	102
SMITH-NASH	170
SNIP	171
SNOWBIRD	196
SOUTHEASTER	61
SPANISH LAKE (CPW)	67a
SPECTRUM	14
SPUD VALLEY	123A
STEMWINDER	99A
ST. EUGENE	75
SULLIVAN	77
SULPHURETS CAMP	19
SUNRO	115
SURF INLET	58
SURF POINT, PORCHER ISLAND	59
SUSIE	87
TAKLA RAINBOW	158
TAM	208
TASEKO	203
TASU	63
TAURUS (HANNA)	8
TAYLOR-WINDFALL	148
TETRA	39
TEXADA ISLAND CAMP	117
THISTLE	116
THUNDER	157
TILLICUM	80
TODD CREEK	205
TOPLEY-RICHFIELD	144
TORBRIT	28
TRUE FISSURE	162
TULSEQUAH CHIEF	6
TWIN LAKES & OROFINO	98
UNION	89
VALENTINE MTN.	153
VALLEY COPPER	107
VAULT	184
VICTOR	79
VICTORIA	35
VIDETTE	132
VILLALTA	202
VINE (BAR)	209
VIRGINIA SILVER	39
WAYSIDE	109C
WESTERN COPPER	57
WHITEWATER	78
WILLA	139
WINDPASS	131
WINDY-CRAGGY	1
WISCONSIN	154
YELLOW GIANT	136
YELLOW JACKET	166
YMIR CAMP	149
YREKA	125
ZEBALLOS CAMP	123

APPENDIX 3
B.C. LODE GOLD PRODUCTION AND RESERVES (1890-1990): MASTER FILE

FIG. # NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons) - all categories	GRADE GOLD (opt)	RESERVES GOLD[1] (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
1	WINDY-CRAGGY	114P/12	114P 002		20000							231,630,000	0.0065	1,273,970	1.66% Cu, 0.10 opt Ag, 0.086% Co, + Zn	1,273,970	Massive Sulphide Volcanogenic (Besshi)
2	MAID OF ERIN	114P/16E	114P 007	1911-1956 int		136	3,600	10	47,796	4780:1	Cu					10	Skarn
3	ATLIN RUFFNER	104N/12E	104N 011	1916-1975 int		122	1,280	100	66,891	669:1	Cu,Pb,Zn				63,920 t @ 19.4 opt Ag, 5% (Pb + Zn)	100	Vein Mesothermal
4	IMPERIAL	104N/12E	104N 008	1899-1900		123	200	98	0							98	Vein Mesothermal
5	ENGINEER	104M/8E	104M 014	1913-1952 int	80	94	17,100	18,058	8,950	1:2						18,058	Vein Epithermal
6	TULSEQUAH CHIEF	104K/12E	104K 002	1939-1957	530	30	1,029,000	94,257	3,400,772	36:1	Cu,Pb,Zn	8,000,000	0.08	640,000	3.91 opt Ag, 1.55% Cu, 1.22% Pb, 6.81% Zn	734,257	Massive Sulphide Volcanogenic (Kuroko)
7	POLARIS TAKU	104K/12E	104K 003	1938-1951		19	753,250	231,603	11,760	1:19		1,650,400	0.400	660,160		891,763	Vein Mesothermal Replacement
8	TAURUS (HANNA)	104P/5E	104P 012	1981-1988	150 est	46	308,395	34,576	2,150	1:10		60,000	0.25	15,000	Operations suspended - 1988	49,576	Vein Mesothermal
9	CASSIAR CAMP TOTAL# (# incl Erickson Gold, Cusac and Plaza (Vollaug) totals)			1979-1988		18	575,783	239,488	171,638	1:1		346,230	0.57	197,351	Temporary suspension of operations - Nov '88	436,839	
9	ERICKSON GOLD (incl Cusac 1986-1987)	104P/4E	104P 029	1979-1988	100-280		556,783	232,503	170,638	1:1		(see total)					Vein Mesothermal
10	A) CUSAC (CORDOBA) (see Erickson Gold after 1987)	104P/4E	104P 070	1982,1983	20-50		1,000 est	1,000	1,000	1:1							Vein Mesothermal
11	PLAZA (VOLLAUG) (see Erickson Gold after 1987)	104P/4E	104P 019	1981, 1983	100		18,000	5,985									Vein Mesothermal
12	GALORE CREEK (STIKINE COPPER)	104G/3W	104G 016							20:1	Total: Central: North Junct:	181,200,000 176,000,000 5,200,000	0.02 0.01 0.22	2,904,000 1,760,000 1,144,000	0.28 opt Ag, 0.93% Cu 0.36 Ag opt, 2.0% Cu	2,904,000	Porphyry (Alkalic)
13	LIARD COPPER (SCHAFT CREEK)	104G/7W	104G 005							9:1	Cu,Mo,Ag	1,000,000,000	0.004	4,000,000	0.035 Ag opt, 0.3% Cu 0.02% Mo	4,000,000	Porphyry (Calc-Alkalic)

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
14	SPECTRUM (RED DOG)	104G/SW	104G 005									1,500,000	0.28	420,000		420,000	Vein Mesothermal
15	RED-CHRIS	104H/12	104H 006								Cu	43,700,000	0.01	437,000	0.56% Cu	437,000	Porphyry (Alkalic)
16	LAWYERS	94E/6E	94E 066	1989-90*	550		358,058	101,175	2,076,726	23:1	Total:	668,970	0.24	165,353	6.94 opt Ag	266,528	Vein Epithermal
											AGB:	153,681	0.24	36,883	5.49 opt Ag		
											Cliff Creek:	459,869	0.24	110,373	7.75 opt Ag		
											Dukes Ridge:	75,400	0.23	17,342	7.75 opt Ag		
17	BAKER (CHAPPELLE)	94E/6E	94E 026	1980-1983	100	44	87,740	37,558	742,198	20:1		55,000	0.56	30,800	5.1 opt Ag	68,358	Vein Epithermal
18	REG (JOHNNY MTN)	104B/11E	104B 077	Nov 1988-90 Closed Sept '90	323	31	207,058	84,806	133,039	2:1	Cu				Heads: 0.474 opt Au	84,806	Vein Mesothermal
19	SULPHURETS CAMP:	104B/9W	104B 118								Total:	43,393,815	0.092	3,978,060		3,978,060	Vein Mesothermal
19	A) BRUCEJACK LAKE:									1:50	A) Total	1,393,815	0.396	552,060	20.17 opt Ag		"
19	Ai) WEST											826,400	0.449	371,054	18.9 opt Ag		"
19	Aii) SHORE											539,776	0.236	127,387	27.23 opt Ag		"
19	Aiii) GOSSAN HILL											27,639	1.94	53,620	3.54 opt Ag		"
19	B) SNOWFIELDS GOLD											22,000,000	0.063	1,626,000			Porphyry (Alkalic) Breccia
19	C) SULPHURETS BRECCIA											20,000,000	0.08	1,600,000			
20	SNIP/TIE GOLD (SUMMIT LAKE)	104B/1E	104B 074	1981-Jan'85	200	26	217,231	104,970	44,000	1:2.4		132,000	0.56	73,920	fuwy cut & diluted	178,890	Vein Mesothermal
21	GRANDUC	104B/1E	104E 021	1971-Oct'83	4000	34	16,500,000	65,510	3,739,895	57:1	Cu	10,900,000			1.79% Cu	65,510	Massive Sulphide Volcanogenic (Besshi)
22	BIG MISSOURI	104B/1E	104B 046	1927-1942	750		847,610	58,364	52,676	1:1	Pb,Zn	(see 23 A)					Vein Mesothermal
23	PREMIER CAMP TOTALS:	(23 + 22)				3	8,577,634	1,924,963	41,629,890	23:1	Cu,Pb, Zn,Cd	3,270,000	0.07	228,900	0.07 opt Ag	2,153,863	Vein Epithermal
23	PREMIER	104B/1E	104B 054	1918-1976 int			4,670,016	1,804,218	40,803,280	23:1							
23	A) PREMIER GOLD (Big Missouri and Premier)			1989-1990*	1662		1,080,006	62,361	773,934	12:1							Vein Epithermal
24	INDIAN	104B/1E	104B 031	1925-1953 int		97	14,180	1,258	40,514	39:1	Pb,Zn					1,258	Vein Mesothermal
25	PORTER-IDAHO	103P/13W	103P 089	1922-1953 int		102	30,050	864	2,360,200	2732:1	Pb,Zn	853,000			20.1 opt Ag	864	Vein/Stockwork Mesothermal
26	DUNWELL	103P/13W	103P 052	1926-1941		63	50,300	9,875	329,605	33:1	Cu,Pb,Zn					9,875	Vein Mesothermal
27	EAST GOLD	104B/6W	104B 033	1949-1965 int		99	30	1,019	3,170	3:1	Cu,Pb,Zn					1,019	Vein Mesothermal

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
28	TORBRIT	103P/12E	103P 191	1928-1959 int		121	1,379,300	110	18,646,304	> 10000:1	Pb,Zn	786,372			9.1 opt Ag, 0.5% Zn 0.42% Cu	110	Vein (Meso.) Massive Sulphide Volcanogenic
29	GEORGIA RIVER	103P/16E	103P 013	1937		109	500	329	409	1:1	Pb	321,067	0.839	269,375	0.656 opt Ag	269,704	Vein Mesothermal
30	ESPERANZA	103P/6W	103P 126	1911-1948 int		114	4,980	256	143,115	560:1	Cu,Pb					256	Vein Mesothermal
31	ANYOX CAMP	103P/5W	103P 021	1914-1936		24	24,672,800	124,081	6,914,330	56:1	Cu	18,000,000	0.003	54,000	0.09 opt Ag, 0.46% Cu	178,081	Massive Sulphide Volcanogenic
31	A) ANYOX (HIDDEN CREEK)						23,948,410	121,296	6,633,087	55:1		18,000,000	0.003	54,000	0.09 opt Ag, 0.46% Cu		
31	B) BONANZA	103P/5W	103P 023	1925-1936			724,190	2,763	281,243	101:1	Cu						
32	OUTSIDER	103O/8E	103O 030	1906-1926		124	138,850	66	4,682	74:1	Cu	181,440			1.5% Cu	66	Massive Sulphide Volcanogenic (Cyprus)
33	GRANBY POINT	103P/5W	103P 022	1917-1938		68	62,040	5,795	196,260	34:1	silica					5,795	Vein Mesothermal
34	GOLDKEISH	103P/5W	103P 027	1918-1938		74	50,890	4,831	26,443	6:1	silica					4,831	Vein Mesothermal
35	VICTORIA	93M/4E	93M 072	1926-1940		116	50	236		15:1	Co	1,000	1.24	1,240	0.08 opt Ag 2% Co	1,476	Vein Mesothermal
36	SILVER STANDARD	93M/5E	93M 040	1913-1985		58	225,246	14,975	7,623,712	509:1	Cu,Pb, Zn,Cd	10,000	0.083	830	37.2 opt Ag, 4.5% Pb, 8% Zn	15,805	Vein Mesothermal
37	SILVER CUP, AMERICAN BOY	93M/5E	93M 040, 047	1913-1955 int		130	6,620	34	128,794	3788:1	Pb,Zn					34	Vein Mesothermal
38	ROCHER DEBOULE (nos. 2 & 4 veins)	93M/4E	93M 071	1915-1954		73	138,020	5,055	85,300	17:1	Cu,Pb,Zn	137,000	0.102	13,974	2.78% Cu, 6.05 opt Ag	19,029	Vein Mesothermal
39	VIRGINIA SILVER (TETRA)	93M/3E	93M 021	1975, 1976		135	275	12	22,440	1870:1	Pb,Zn	20,000	0.03	600	86 opt Ag, 4.4% Pb 2.2% Zn	612	Vein Mesothermal
40	GLACIER GULCH (NORTH)	93L/14W	93L 107	1933-1939		111	180	296	1,186	4:1	Pb,Zn					296	Vein Mesothermal
41	LUCKY LUKE CORDILLERA	103I/9W	103I 039, 040	1924-1967 int		125	110	59	663	12:1	Cu					59	Vein Mesothermal
42	COLUMARIO	103I/9W	103I 077	1934,1935		103	3,000 est	679	1,868	3:1						679	Vein Mesothermal
43	DUTHIE (Sil-Van, incl Coronado, Victory)	93L/14W	93L 068	1923-1983 1985		81	81,707	3,695	1,721,623	466:1	Cu,Pb,Zn	21,700	0.07	1,519	6.0 opt Ag 5% Pb, 7.5% Zn	5,214	Vein Mesothermal

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
44	HUNTER BASIN	93L/11E	93L 042	1915-1941		115	290	238	8,265	35:1	Cu					238	Vein Mesothermal
45	DOME MOUNTAIN (Free Gold, The Forks, Boulder Ck)	93L/10E	93L 023 93L 022	1940-1951 1961-1962	100	106	5,862	387	663	2:1 plus	Pb, Zn Total: Geological:	324,000 100,000	0.36 0.355	116,640 35,500	2.34 opt Ag 2.34 opt Ag	117,027 35,500	Vein Mesothermal
46	LITTLE JOE HYLAND BASIN	93L/15W	93L 125, 126	1927-1940		132	30	24	9,455	394:1	Cu,Pb,Zn					24	Vein Mesothermal
47	CRONIN	93L/15W	93L 127	1914-1974 int.		112	26,480	282	262,672	932:1	Pb,Cu,Zn,Cd	320,000	0.436	139,520	2.8 opt Ag	139,802	Vein Mesothermal
48	BELL COPPER (NEWMAN)	93M/1E	93M 001	1972-1982, 1985-1990*	17000 15420	15	77,650,842	375,464	1,083,372	3:1	Mining res: Pot res:	6,800,000 125,000,000	0.01 tons @ 0.45% Cu	68,000	0.61% Cu, 0.03 opt Ag	441,464	Porphyry (Calc-Alkalic)
49	GRANISLE	93L/16E	93L 146	1966-1982	12500	22	57,498,131	148,000	1,906,000	13:1	Cu,Mo	20,000,000			0.4% Cu (to mine at Bell Copper)	148,000	Porphyry (Calc-Alkalic)
50	GOLDEN EAGLE	93L/9E	93L 015	1934-1978 int		133	140	16	21,256	1329:1	Cu,Pb,Zn					16	Vein Mesothermal
51	JEWEL (DENTONIA)	82E/2E	82E 055	1940-1975 1984-1985 int		43	137,466	39,711	234,517	6:1	Pb,Zn	50,000	0.31	15,500	2.0 opt Ag	55,211	Vein Mesothermal
52	EQUITY SILVER	93L/1W	93L 001	1980-1990*	5800 to 9500	14	26,921,814	368,039	60,032,737	173:1	Cu	6,522,000	0.024	156,528	2.10 opt Ag, 0.22% Cu	544,567	Transitional
53	SILVER QUEEN (NEW NADINA)	93L/2E	93L 002	1972, 1973	300	84	200,200	3,156	438,798	140:1	Cu,Pb, Zn,Cd	230,000	0.22	50,600	12.43 opt Ag, 0.5% Cu, 9.2% Zn = C Vein Proven Reserves	53,756	Vein Mesothermal
54	EMERALD GLACIER	93E/11W	93E 001	1951-1966 int		127	9,190	48	83,494	1740:1	Cu,Pb, Zn,Cd	45,000	0.03	1,350	10.34 opt Ag 6.23% Pb, 9.49% Zn	1,398	Vein Mesothermal
55	DRUMLUMMON	103H/14E	103H 018	1916-1926		126	1,030	57	1,575	28:1	Cu					57	Vein Mesothermal
56	HUNTER	103H/1W	103H 034	1933		131	4	29	11	1:3	Cu	103,800	0.35	36,330		36,359	Vein Mesothermal
57	WESTERN COPPER	103H/1W	103H 033	1928,1929		120	230	171	1,453	9:1	Cu					171	Vein Mesothermal
58	SURF INLET	103H/2W	103H 027	1917-1926 1936-1943	300	13	1,012,060	388,661	201,210	1:2	Cu	57,000	0.35	19,950	0.28 opt Ag, 0.5% Cu	408,631	Vein Mesothermal
59	PORCHER ISLAND (SURF POINT, EDYE PASS)	103J/2E	103J 001, 002	1919-1939		51	67,870	20,574	230,755	11:1	Cu	1,523,000	0.2	304,600 AT zone	0.16 opt Ag drill ind res	325,174	Vein Mesothermal

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
60	CINOLA (BABE)	103F/9E	103F 034	1975, 1981 test mill	6000 est 1990	105	6,130 est	415 est	240 est	1:2		26,240,000	0.072	1,889,280	0.09 opt Ag "Mineable", better grade: 11,078,226 t @ 0.097 opt Au	1,889,695	Vein Epithermal
61	SOUTHEASTER	103G/5W	103G 006	1919-1936 int		128	500	40	27	1:1	Cu,Pb					40	Vein Mesothermal
62	EARLY BIRD	103C/16E	103C 002	1913-1939 int		113	180	280	39	1:7						280	Vein Mesothermal
63	TASU	103C/16E	103C 003	1914-1983		41	22,965,511	43,066	1,620,205	36:1	Fe,Cu					43,066	Skarn
64	LILY-IKEDA WIRELESS LUCKY SEVEN	103B/6E	103B 024, 028,044	1906-1920		93	14,830	1,664	27,960	17:1	Cu					1,664	Skarn
65	CAPOOSE	93F/6E	93F 040									31,200,000	0.01	312,000	1.05 opt Ag, Cu,Pb,Zn	312,000	Porphyry-related (Calc-Alkalic)
66	CARIBOO-BARKERVILLE CAMP	93H/4E	93H 010, 019,025		Totals:	5	3,027,928	1,231,214	165,382	1:7	Cu,Pb,Zn	430,000	0.114	49,020		1,280,234	Vein Mesothermal Replacement
66	A) CARIBOO GOLD QTZ (MT.ALLAN), ISLAND MT.(AURUM)			1933-1967			1,681,950	626,755	56,092	1:11		430,000	0.114	49,020			
				1934-1964			1,245,295	569,528	81,658	1:7							
66	B) MOSQUITO CK			1960-1987	100		100,683	34,931	27,632	1:1							
67	QR	93A/12W	93A 121							1:1	Total:	1,353,540	0.16	221,627	Ag, Cu	221,627	Vein Porphyry-related
											Main Zone	814,000	0.13	105,820	Mineable res: open pit		
											West Zone	172,040	0.31	53,332	Geological res		
											Mid-West Zone	367,500	0.17	62,475	Geological res		
67	a SPANISH LAKE (CPW)	93A/11W	93A 043									981,000	0.08	78,485		78,485	Vein Mesothermal
68	MT. POLLEY (CARIBOO-BELL)	93A/12E	93A 059								Geological:	116,700,000	0.014	1,633,800	0.34% Cu	906,661	Porphyry (Alkalic)
											Mineable:	56,666,300	0.016	906,661	0.38% Cu		
69	FISH LAKE	92O/5E	92O 041									526,429,000	0.011	5,790,719	0.03 opt Ag, 0.2% Cu	5,790,719	Porphyry (Calc-Alkalic)
70	BLACKDOME	92O/8W	92O 050-053	1986-1990	200	20	336,951	223,592	760,473	3:1		12,564	0.49	6,156		229,748	Vein Epithermal
71	CHU CHUA (CC)	92P/8E	92P 140								Open pittable	1,150,000	0.017	19,550	0.29 opt Ag, 2.97% Cu, 0.3% Zn @ 1.5% Cu cut-off grade (+ Co)	19,550	Massive Sulphide Volcanigenic (Cyprus)
72	REA GOLD (HILTON)	82M/4W	82M 191								Discovery Zone	160,000	0.247	39,520	3.49 opt Ag, 4.99% Zn 3.7% Pb, 1.06% Cu	39,520	Massive Sulphide Volcanigenic (Kuroko)

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
72 a	HOMESTAKE	82M/4W	82M 025	1935-1941		108	7,670	361	281,349	780:1	Cu,Pb,Zn	877,652	0.028	24,574	6.03 opt Ag, 0.5% Cu 28% Ba, 4% Zn	24,935	Massive Sulphide Volcanigenic
72 b	KAMAD	82M/4W	82M 025									242,440	0.22	53,337	2.02 opt Ag, 0.54% Cu 6.19% Pb, 7.32% Zn	53,337	(Kuroko)
73	ECLIPSE MERIDIAN SPYDER, MOHAWK	82K/13E	82KNW044 & 064	1911-1958 1903-1941 int		49	239,000	29,400	1,724,794	59:1	Cu,Pb, Zn,Cd	29,000	0.13	3,770	7.43 opt Ag, 6.19% Pb, 6.0% Zn up to 75,000 tons	33,170	Vein Mesothermal
74	SILVER CUP	82K/11W	82KNW027	1895-1985	500 est	72	23,080	5,169	1,447,116	280:1	Pb,Zn,Cu	700,000	0.1	70,000	Incl 251,000 tons stockpiled @ 0.1 opt Au 20 opt Ag, 2.5% Pb, 7.5% Zn	75,169	Vein Mesothermal
75	ST. EUGENE	82G/5W	82GSW025	1899-1929		90	1,610,400	2,534	5,873,731	2310:1	Pb					2,534	Vein Mesothermal (Replacement)
76	BULL RIVER	82G/6W	82GNW002	1972-1974		78	520,100	4,055	204,277	50:1	Cu	2,000,000	0.015	30,000	U/G @ 1.94% Cu	34,055	Vein Mesothermal
77	SULLIVAN	82F/9E	82FNE052	1900-1990*	8250	69	157,894,152	5,622 (before 1980 only)	300,478,385	> 10000:1	Pb,Zn, Cd,Sn	22,800,000			0.8 opt Ag, 4.5 % Pb 7.3 % Zn	5,622	Massive Sulphide (Exhalitive)
78	WHITEWATER & HIGHLAND SURPRISE	82K/3E	82KSW131 & 37	1892-1976 int		82	418,890	3,315	3,414,491	1030:1	Pb,Zn					3,315	Vein Mesothermal
79	VICTOR (VIOLAMAC)	82F/14W	82FNW204	1923-1979		92	111,500	2,455	4,137,065	1690:1	Cu,Pb, Zn,Cd					2,455	Vein Mesothermal
80	TILLICUM (ESPERANZA)	82F/13E	82FNW234	1981,1985-1987		83	3,726	3,160	3,000 est	1:1 1:1	Total:	1,328,000	0.18	240,940		244,100	Skarn
											Heino-Money (Prov & prob)	22,000	0.86	18,920	(diluted; 0.2 opt Au cutoff)		
											East Ridge (Drill ind & inf)	1,306,000	0.17	222,020			
81	SCRANTON	82F/14E	82FNW112	1948-1979	150	80	8,960	3,766	112,460	30:1	Cu,Pb, Zn,Cd					3,766	Vein Mesothermal
82	PERRIER	82F/06W	82FSW208	1913-1948		45	256	34,681	44,803	1:1	Pb,Zn					34,681	Vein Mesothermal
82 a	GRANITE POORMAN	82F/06W	82FSW086	1890-1954		35	199,650	65,080	27,684	1:2	Pb,Zn, Cu,Cd	18,000	0.27	4,860	plus 7 opt Ag, 8.2% Pb, 8.0% Zn	69,940	Vein Mesothermal

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
83	SHEEP CREEK CAMP	82F/03E	TOTALS:	1902-1979		8	1,667,596	761,456	260,495	1:3	Cu,Pb,Zn	373,000	0.33	123,090	incl 75,260 tons @ 0.464	884,546	Vein Mesothermal
83	A) RENO	82F/03E	82FSW036	1906-1979			415,505	233,743	103,409	1:2	Cu,Pb,Zn				opt Au (prov & prob), &		"
83	B) GOLD BELT	82F/03E	82FSW044	1934-1979			256,685	80,791	34,121	1:2	Cu,Pb,Zn				148,500 tons @ 0.265		"
83	C) KOOTENAY BELL	82F/03E	82FSW046	1904-1967			278,124	112,755	41,996	1:3	Pb,Zn				opt Au (marg & poss)		"
83	D) QUEEN	82F/03E	82FSW048	1902-1970			716,158	303,933	100,359	1:3							"
83	E) VANCOUVER	82F/03E	82FSW049	1909-1933			382	29,983	412	1:73							"
83	F) NUGGET	82F/03E	82FSW040	1980-1981			742	251	198	1:1		223,000	0.33	73,590			"
84	BAYONNE	82F/02W	82FSE030	1935-1951, 1964		41	86,102	42,152	120,262	3:1	Pb,Zn	138,000	0.41	56,580	plus 0.42 Ag, 5% Pb 3% Zn, 0.2% Cu	98,732	Vein Mesothermal
85	ALPINE	82F/11W	82FNW127	1915-1948		60	17,000	11,451	7,119	2:1	Pb,Zn	210,000	0.5	105,000	Proven res	116,451	Vein Mesothermal
												1,000,000	0.5	500,000	Estimated res		
85	a CHAPLEAU, KILO	82F/11W	82FNW130, 131	1896-1941		67	5,040	2,853	14,844	5:1	Pb,Zn	720,000	0.3	216,000	6.0 opt Ag	218,853	Vein Mesothermal
86	ROSSLAND CAMP (Le Roi, Centre Star, War Eagle, Josie, etc.)	82F/04E	82FSW093 etc	1894-1974 int		2	6,199,799	2,745,260	3,440,800	1:1	Cu,Pb,Zn	100,000	0.42	42,000	Total Drill ind res Recov grade: 0.47 opt Au 0.6 opt Ag, 1% Cu	2,787,260	Vein Mesothermal
											North Belt West	18,589	0.47	8,737			
											South Belt East	51,810	0.23	11,916			
											South Belt	38,176	0.57	21,760			
											North Belt	28,150	0.44	12,386			
											Bluebird-Mayflower	46,150	0.1	4,615	13.3 Ag,2.4% Pb,4% Zn		
87	SUSIE	82E/04E	82ESW090	1960-1976		59	7,860	2,639	48,822	19:1	Cu,Pb,Zn					2,639	Vein Mesothermal
88	GREENWOOD SKARNS TOTAL					6	31,836,731	1,191,431	7,219,470	3:1	Cu	2,588,670	0.08	199,646		1,391,077	Skarn
88	GREENWOOD SKARNS (Motherlode, Phoenix, Greyhound, Emma, B.C. and Ore Denora)	82E/02E	82ESE013, 14,21,25, 26,34,50, 60-63	1900-1978			31,836,723	1,191,431	7,219,203		Greyhound + Motherlode	450,000	0.015	6,750	0.13 opt Ag, 0.65% Cu		Skarn
											Ore Denora	1,500,000	0.03	45,000	1% Cu		Skarn
88	A) GRENOBLE	82E/02E	82ESE									135,000	0.368	49,680	1.73% Cu (Drill ind)		Skarn
88	B) LEXINGTON	82E/02E	82ESE041	1950-1951			6		267		Pb,Zn	503,670	0.195	98,216	1.25% Cu		Skarn
88a	GREENWOOD VEINS TOTAL					38	210,584	49,233	2,529,221	52:1		344,933	0.219	75,712		124,945	Vein Mesothermal
88a	A) GREENWOOD VEINS (Providence, EPU, and Last Chance)	82E/02E	82ESE001 TO 012 and 046, 054	1893-1978 int. 1893-1973			96,090	29,716	1,872,061	63:1	Pb,Zn,Cu	30,000	0.1	3,000			Vein Mesothermal
88a	B) WINNIPEG		82ESE033	1900-1940			58,770	11,674	36,549	3:1	Cu,Pb						Vein Mesothermal
88a	C) SKOMAC No.7		82ESE042 043, 045	1893-1976			20,962	4,045	138,362	34:1	Cu,Pb,Zn						Vein Mesothermal
88a	D) GOLDEN CROWN		82ESE032	1900-1941			2,742	1,238	2,249	2:1	Cu	37,197	0.536	19,938			Vein Mesothermal
88a	E) OB			1987-1988			32,000	2,560	480,000	188:1	estimates	27,736	0.96	2,774	22.01 opt Ag		
88a	F) SYLVESTER K						8,000	shipped				250,000	0.2	50,000	estimated grade		Stratabound VMS
89	UNION	82E/06W	82ENE003	1913-1946, 1987		37	150,400	55,339	1,389,115	25:1	Cu,Pb,Zn	83,000	0.096	7,968	3.0 opt Ag, tailings + dump	63,307	Vein Mesothermal
90	BEAVERDELL (HIGHLAND BELL)	82E/06E	82ESW030	1913-1990 Closed Feb '90	100	56	1,206,095	16,459	34,525,812	2080:1	Cu,Pb, Zn,Cd					16,459	Vein Mesothermal

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
91	CARIBOO-AMELIA (CAMP MCKINNEY)	82E/03E	82ESW020	1894-1962		32	137,160	81,603	32,439	1:3	Pb,Zn	8,000	0.5	4,000	Potential 250,000 tons @ 0.5 opt Au	85,603	Vein Mesothermal
92	DUSTY MAC	82E/05E	82ESW078	1969-1976		52	58,700	19,483	339,293	17:1	Cu,Pb,Zn				Recov grade: 0.33 opt Au, 5.76 opt Ag	19,483	Vein Epithermal
93	KALAMAKA	82L/03E	82LSW050	1935-1944		86	7,260	2,898	3,474	1:1	Cu,Pb,Zn					2,898	Vein Mesothermal
94	CHAPUT (LUMBY)	82L/07W	82LSE006	1968-1976		129	2,201	39	54,569	1400:1	Cu,Mo, Pb,Zn	281,000	0.124	34,844		34,883	Vein Mesothermal
96	BRENDA	92H/16E	92HNE047	1970-1990 Closed Mar '90	30000	33	198,928,247	72,866	4,737,940	65:1	Cu,Mo					72,866	Porphyry (Calc-Alkalic)
97	HEDLEY CAMP TOTAL	92H/08E				4	7,997,962	1,924,729	443,818	1:8	Cu,Zn,Ce	4,887,000	0.071	346,676	excluding tailings	2,271,405	Skarn
97	A) NICKEL PLATE TOTAL						7,216,459	1,630,363	384,938								Skarn
	(early prod)		92HSE038	1904-1913			3,283,296	1,338,664	133,848	1:10							Skarn
	(current prod)			1987-1990*	3500		3,933,163	291,699	251,090	1:1		2,996,000	0.081	242,676	includes Canty		Skarn
97	B) HEDLEY MASCOT		92HSE036	1936-1949			682,472	233,032	54,882	4:1		800,000	0.13	104,000			Skarn
97	C) GOOD HOPE		92HSE060	1982,1946-48			10,177	5,298		1:2							
97	D) FRENCH		92HSE059	1950-55,57-61, 1982-83			67,238	51,930	3,993	1:5							Skarn Skarn
97	E) CANTY		92HSE064	1939,1941			1,836	530								41,100	Heap Leach
97	F) MASCOT TAILINGS	92H/08E										685,000	0.06	41,100		71,237	Heap Leach
97	G) HEDLEY TAILINGS	92H/08E	92HSE144	1988-90*			119,253	3,576	5			406,000	0.041	16,646			Tailings
98	OROFINO & TWIN LAKES	82E/05E	82ESW010 & 011	1899-1942 1926-1942		64	21,800	8,846	2,393	1:4	Pb,Zn					8,846	Vein Mesothermal
99	FAIRVIEW CAMP	82E/04E	82ESW006 & 007	1898-1949	Total:	55	152,050	17,038	169,494	10:1	Pb,Zn	1,864,000	0.107	199,448	plus 1.11 opt Ag	216,486	Vein Mesothermal
99	A) STEMWINDER			1933-1941			30,496	3,092	17,089	6:1	Pb,Zn						
99	B) FAIRVIEW (MORNING STAR)			1898-1949			121,554	13,946	152,405	11:1	Pb,Cu,Zn						
100	HORN SILVER	82E/04E	82ESW002	1915-1984	450	61	483,614	10,686	4,089,471	383:1	Cu,Pb,Zn					10,686	Vein Mesothermal

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
101	DIVIDEND-LAKEVIEW	82E/04E	82ESW001	1907-1949		57	122,634	16,216	2,804	1:6	Cu,Pb,Zn					16,216	Skarn
102	SIMILCO TOTALS (SIMILKAMEEN)	92H/07E	TOTALS:			9	165,956,285	636,851	8,406,729	12:1		167,800,000	0.002	335,600		972,451	Porphyry (Calc-alkalic)
102	A) COPPER MTN.		92HSE001	1917-1962			34,775,200	187,852	4,384,894	23:1	Cu						
102	B) INGERBELLE, SIMILCO		92HSE004	1972-1981	24000		131,181,085	448,999	4,023,835	8:1	Cu	167,800,000	0.002	335,600	0.051 opt Ag, 0.4% Cu		
				1984-1990*	23000												
103	RABBIT	92H/10W	92HNE014	1939-1941		98	1,430	1,057	583	1:2						1,057	Vein Mesothermal
104	COQUIHALLA GOLD TOTAL	92H/11W	92HSW034			39	863,139	47,372	38,000	1:1		900,000	0.12	108,000		155,372	Vein Mesothermal
104	A) CAROLIN (IDAHO)			1982-1984	1360		863,139	43,543	38,000	1:1		900,000	0.12	108,000			
104	B) EMANCIPATION			1935-1941	*			3,829									
104	AURUM,WARD																
104	PIPESTEM																
105	CRAIGMONT	92I/02W	92ISE035	1961-1982		91	33,067,900	2,503	7,796	3:1	Cu,Fe					2,503	Skarn
106	LORNEX	92I/06E	92ISW045	1972-1988	50000		277,782,840	3,156 (gold only before 1980's)	10,320,406	3270:1	Cu,Mo	See Highland Valley Copper (107B) from 1986 onward mined grade = 0.421% Cu				3,156	Porphyry (Calc-alkalic)
107	HIGHLAND VALLEY COPPER CAMP TOTAL#					27	631,745,950	104,157	22,836,394	220:1		839,383,000	0.0002	142,695		246,852	Porphyry
107	VALLEY COPPER	92I/07W	92ISW012	1963-1986	26200		32,892,133	12,435	1,536,201	123:1	Cu,Mo						Porphyry (Calc-alkalic)
107	A) BETHLEHEM COPPER (JERSEY, HEUSTIS, etc)		92ISE001	1963-1982	20000		116,706,600	41,148	3,209,551	78:1	Cu,Mo				0.5% Cu 0.01% Mo		Porphyry (Calc-alkalic)
107	B) HIGHLAND VALLEY COPPER (amalgamation of Lornex and Valley)			1986-1990*	130000		204,364,377	47,418	7,770,236	205:1	Cu,Ag,Mo	839,383,000	0.0002 est	142,695	0.41% Cu, 0.007% Mo		Porphyry (Calc-alkalic)
	(# = includes Valley Copper, Lornex, Bethlehem Copper and Highland Valley Copper totals)																
108	AFTON AREA TOTAL					12	57,275,509	454,956	2,454,145	5:1		33,304,935	0.017	573,927		1,028,883	
108	A) AFTON (incl Pothook & Crescent pits)	92I/09W	92INE023	1977-1989	9000		31,818,590	420,539	2,403,668	6:1	Cu	10,472,935	0.033	345,607	1.5% Cu, 0.2 opt Ag (underground res)		Porphyry (Alkalic)
108	B) AJAX		92INE012	1989-1990*	11000		25,456,919	34,417	50,477	1:1	Cu	22,832,000	0.010	228,320	0.45% Cu (open pit res)		Porphyry (Alkalic)
109	BRIDGE RIVER CAMP	92J/15W		1900-1978	TOTAL	1	8,060,079	4,178,069	1,002,541	1:4		2,183,267		518,328	Recov'd Grades: 0.522 opt Au, 0.012 opt Ag	4,696,397	Vein Mesothermal
109	A) BRALORNE	92J/15W	92JNE001, 002,007	1900-1978	100-600		5,461,400	2,821,567	706,345	1:4		1,064,000	0.27	287,280	incl 150,000 @ 0.43 opt Au		.
109	B) PIONEER	92J/15W	92JNE004	1908-1962	400		2,469,720	1,333,521	244,735	1:5							.
109	C) WAYSIDE	92J/15W	92JNE030	1915-1937			40,760	5,341	837	1:6		150,000	0.10	15,000	1.76% Cu, 3.03% Zn		.
109	D) MINTO	92J/15W	92JNE075	1934-1940			87,160	17,557	50,583	3:1	Cu,Pb						.
109	E) CONGRESS	92J/15W	92JNE029	1937			1,039	83	41	1:2	Cu	469,267	0.275	129,048			.
109	F) RELIANCE	92J/15W	92JNE033									500,000	0.174	87,000			Vein Mesothermal

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
110	NORTHAIR (WARMAN)	92J/03E	92JW012	1976-1982	300	21	345,700	166,582	845,854	5:1	Pb,Zn, Cu,Cd	52,000	0.235	12,220	Recov'd: 0.34 opt Au, 2.5 opt Ag,4% Zn,2% Pb	178,802	Vein Mesothermal
111	ASHLU	92G/14W	92GNW013	1932-1939		67	15,000	6,493	7,482	1:1	Cu	98,500	0.25	24,625		31,118	Vein Mesothermal
112	BRITANNIA	92G/11E	92GNW003	1905-1977		11	52,783,960	493,069	5,815,395	12:1	Cu,Pb, Zn,Cd	1,424,000			1.9% Cu: No. 10 Mine Recov'd grade: 0.02 opt Au, 0.2 opt Ag	493,069	Massive Sulphide Volcanogenic (Kuroko)
113	SENECA (HARRISON)	92H/05W	92HSW013	1962		138	280	0.5	3	6:1	Cu,Zn	1,661,000	0.025	41,525	1.32 opt Ag, 0.63% Cu 0.15% Pb, 3.57% Zn	41,526	Massive Sulphide Volcanogenic (Kuroko)
114	LENORA TYEE (TWIN J)	92B/13W	92B 001 92B 002	1898-1964 1901-1952		40	305,000 est	44,491	934,522	21:1	Cu					44,491	Massive Sulphide Volcanogenic (Kuroko)
115	SUNRO	92C/08E	92C 073	1952-1978		50	1,465,000	28,912	72,747	3:1	Cu	1,500,000	0.02 est	29,603 est	1.43% Cu	58,515	Massive Sulphide (Cyprus)
116	THISTLE	92F/02E	92F 083	1938-1942		88	6,920	2,760	2,120	1:1	Cu					2,760	Massive Sulphide (Kuroko)
117	TEXADA TOTAL					25	23,282,705	108,508	1,288,450	12:1		273,810	0.343	93,884		200,392	Skarn
117	A) LITTLE BILLIE	92F/15E	92F 105	1896-1952			70,229	11,676	38,526	3:1	Cu	195,000	0.34	66,300	2.0% Cu, 1.0 opt Ag		Skarn
117	B) TEXADA IRON MINES (PRESCOTT)	92F/10E	92F 106	1957-1976			22,943,503	28,530	760,211	27:1	Cu						Skarn
117	C) CORNELL	92F/10E	92F 112	1897-1919			44,849	15,145	70,553	5:1	Cu						Skarn
117	D) MARBLE BAY	92F/15E	92F 270	1899-1929			219,629	49,644	405,759	8:1	Cu	78,810	0.35	27,584	1.2% Cu (Prob + Poss)		Skarn
117	E) COPPER QUEEN	92F/15	92F 271	1903-1917			4,495	1,513	11,401	8:1	Cu						Skarn
118	MT. WASHINGTON (DOMINEER NO.22)	92F/14W	92F 116	1961-1967		77	396,000	4,204	232,620	55:1	Cu	472,000	0.257	121,304	1.27 opt Ag	125,508	Vein-Breccia Epithermal
119	MUSKATEER & BUCCANEER TOTAL					66	11,500	6,960	2,994	1:2		11,000	0.30	3,300		10,260	
119	A) MUSKATEER	92F/05E	92F 060	1942-1975			5,000	3,052	1,736	1:2	Cu,Pb	11,000	0.30	3,300			Vein Mesothermal
119	B) BUCCANEER	92F/05E	92F 061	1941-1959			6,500	3,908	1,258	1:3	Cu,Pb						
120	FANDORA	92F/04E	92F 041	1960-1964		95	900	1,468	269	1:5	Cu,Pb,Zn	200,000	0.27	54,000		55,468	Vein Mesothermal
121	SILVERADO	93E/09W	92E 017	1934-1938		70	130	5,567	10,294	2:1	Cu					5,567	Skarn
122	MYRA FALLS (HW)	92F/12E	92F 071, 072,073	1966-1990*	3300	10	12,756,951	604,928	23,780,273	32:1	Cu,Pb,Zn	11,002,425	0.060	660,146	0.93 opt Ag, 1.80% Cu 0.3% Pb, 3.7% Zn	1,265,074	Massive Sulphide Volcanogenic (Kuroko)

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
123	ZEBALLOS CAMP (PRIVATEER, SPUD VALLEY, etc)	92L/02W	92L 008 to 038	1933-1953 1975		17	718,475	276,067	120,140	1:2	Cu,Pb,Fe	470,848	0.360	172,183		448,250	Vein Mesothermal
123	A) SPUD VALLEY											247,078	0.41	101,302	incl Proven (91,562 tons @ 0.16 opt Au), Prob (117,178 tons @ 0.64 opt Au) & Poss (26,585 tons @ 0.165 opt Au) 0.08 opt Ag & Prob (394,516 tons @ 0.5 opt Au & 0.12 opt Ag)		
123	B) PRIVATEER										Proven	148,770	0.30	44,631			
123	C) CENTRAL ZEBALLOS											75,000	0.35	26,250			
124	MERRY WIDOW CAMP					23	2,956,894	126,407	392,869	3:1		300,000	0.1	30,000	open pittable	156,407	Skarn
124	A) OLD SPORT, COAST COPPER	92L/06E	92L 035	1962-1973			2,929,494	124,386	377,165	3:1	Cu,Fe						Skarn
124	B) BENSON LAKE	92L/06E	92L 091	1968-1969			27,400	2,021	15,704	8:1	Cu						Skarn
125	YREKA	93L/05E	92L 052	1902-1967		94	147,200	1,604	145,873	91:1	Cu	141,590	0.2	28,318	0.54 opt Ag, 1.05% Cu	29,922	Skarn
126	ISLAND COPPER	92L/11W	92L 158	1971-1990*	55000	7	288,736,096	919,411	7,182,615	7:1	Cu,Mo	120,600,000	0.002 est	241,200 est	0.35% Cu, 0.17% Mo + Ag	1,160,611	Porphyry (Calc-Alkalic)
127	DOCTORS POINT	92H/05W	92HNW071									100,000	0.1	10,000		10,000	Vein Mesothermal
128	CARMI	82E/06E	82ESE029	1901-1940		65	5,480	2,994	9,675	3:1	Pb,Zn				0.15% Pb, 3.75% Zn	2,994	Vein Mesothermal
129	CARIBOO-HUDSON (CUNNINGHAM CK)	93A/14W	93A 071	1938-1939		71	13,400	5,185	2,626	1:2		35,450	0.36	12,762	(above 200 ft level)	17,947	Vein Mesothermal
130	DORATHA MORTON	92K/11W	92K 023	1898-1925		75	10,250	4,595	10,633	2:1	Cu	90,000 est	0.35	31,500	~0.50 opt Ag	36,095	Vein Mesothermal
131	WINDPASS	92P/08E	92P 039	1916-1944		47	60,800	34,455	1,719	20:1	Cu					34,455	Vein Mesothermal
132	VIDETTE	92P/02W	92P 086	1933-1940		48	53,900	29,869	46,573	2:1	Cu,Pb					29,869	Vein Mesothermal
133	PLANET	92I/09W	92ISE029	1926-1952		65	78,590	8,186	249,932	31:1	Cu,Pb,Zn					8,186	Vein Mesothermal
134	IRON MASK	92I/09W	92SE010	1901-1926		79	146,300	3,794	14,843	4:1	Cu					3,794	Porphyry (Calc-Alkalic)
135	BIG SLIDE	92I/13W	92INW036	1934-1940		96	7,600	1,282	2,483	2:1	Cu,Pb					1,282	Vein Mesothermal

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
136	YELLOW GIANT	103G/08E	103G 009									220,400	0.45	99,180	Current reserves	99,180	
												100,000	0.50	50,000	Drill indicated reserves		Vein Mesothermal
136	A) TEL ZONE											1,100,000	0.072	79,200			Vein Mesothermal
136	B) KIM ZONE											50,000	1.17	58,500			Skarn
136	C) BOB ZONE											100,000	0.46	46,000			Vein Mesothermal
136	D) DISCOVERY ZONE																
137	KUTCHO CREEK	104I/01W	104I 060		4400							15,772,900	0.010	157,729	1.0 opt Ag, 1.76% Cu 2.54% Zn, 0.06% Pb	157,729	Massive Sulphide Volcanogenic (Kuroko)
138	POISON MOUNTAIN	92O/02E	92O 046									584,000,000	0.004	2,336,000	0.24% Cu, 0.007% Mo	2,336,000	Porphyry (Calc-Alkalic)
139	WILLA (ALWYN)	82F/14W	82F 071								Prov, prob & poss res	457,000	0.173	79,061	0.91 %Cu	80,364	Porphyry-Breccia (Calc-Alkalic)
140	J & L	82M/08E	82M 003		400						Prov and prob res	890,750	0.21	187,058	1.9 opt Ag, 2.5% Pb, 5.2% Zn + As	187,058	Massive Sulphide (Sedex)
											Inferred res	12,000,000	0.20	2,400,000	7% combined Pb-Zn		
141	AL (THESIS III, VERRENASS, BV, THESIS II)	94E/06E	94E 091	1986	Pilot mill 6 tpd	107	230 est	386				110,951	0.307	34,062	part of Lawyers (16)	34,448	Vein Epithermal
142	SHASTA	94E/06E	94E 050	1989-1990*	177	62	78,409	10,275	584,227	58:1		545,517	0.16	87,283	6.58 opt Ag	97,558	Vein Epithermal
143	LINDQUIST (DEER HORN)	93E/06W	93E 019									200,000 est	0.250 est	50,000	8.0 opt Ag, WO3	85,800	Vein Mesothermal
144	TOPLEY-RICHFIELD	93L/09W	93L 018	1938-1953		137	47	1	868	870:1		170,000	0.12	20,400	5.6 opt Ag, ~2% combined Pb-Zn	20,401	Vein-Shear Mesothermal
145	GOLDEN BEAR	104F/01	104K 079	1990*	300	53	76,302	19,242				521,720	0.530	276,512		295,754	Vein Mesothermal
146	LARA (CORONATION)	92B/13W	92B 110									583,000	0.138	80,454	2.92 opt Ag, 1.01% Cu 1.22% Pb, 5.67% Zn	80,454	Massive Sulphide Volcanogenic (Kuroko)
147	SILVER BUTTE	104B/01	104B 150									105,830	0.289	30,585	35 Zone only 1.92 opt Ag, 0.32% Cu, 0.67% Pb, 3.85% Zn	30,385	Vein Mesothermal
148	TAYLOR WINDFALL	92O/03W	92O 028	1932-1935		134	610	15								15	Vein Mesothermal

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
149	YMIR CAMP TOTAL#	82F/6E		1899-1973		16	786,616	283,560	1,425,014	5:1	Pb,Zn	95,000	0.28	26,600	many small deposits	310,160	Vein
149	A) YANKEE GIRL	82F/6E	82FSW058	1907-1951			314,382	123,784	708,483	6:1	Pb,Zn				eg. Tamarac (145,000		Mesothermal
149	B) YMIR	82F/6E	82FSW074	1899-1973			358,382	109,644	459,237	4:1	Pb,Zn				tons @ 0.13 opt Au)		
	(# = 149A + 149B + other minor producers)																
150	BRETT	82L/8E	82LSW064													0	Vein Epithermal
151	BANBURY	92H/8E	92HSE046	1937		100	6,500	945	429	1:2		4,000,000	0.046	184,000	Mineral Inventory:	184,945	Skarn-Vein
															Zone 86 (1.7mt @ 0.08 opt Au)		
															Zone 87 (2.3mt @ 0.4 opt Au)		
															Pine Knot (0.18mt @ 0.32 opt Au)		
152	SILVER POND	94E/6E	94E 069									70,000	0.17	11,900	West zone	11,900	Vein Epithermal
153	VALENTINE MTN (BLAZE)	92B/12W 92C/9E	92B 108									33,795	0.429	14,498		14,498	Vein-Shear
154	WISCONSIN	82F/7W	82FSE036									350,000	0.11	38,500	1.5 opt Au	38,500	Vein-Mesothermal
155	PELLAIRE	92O/4E	92O 045									34,000	0.65	22,100	2.0 opt Ag	22,100	Vein Mesothermal
156	See 87F																
157	THUNDER (AHBAU CREEK, G SOUTH)	93G/1	93G 007									50,000	0.3	15,000	Discovery zone 0.2 opt Au	15,000	Vein-Mesothermal
158	TAKLA RAINBOW (TWIN)	93N/11W	93N 062									471,290	0.32	150,813	Geological potential incl 220,000 tons @ 0.4 opt Au	150,813	Vein-Mesothermal
159	PAYDIRT	104G/3W	104G 109									200,000	0.12	24,000		24,000	Vein-Mesothermal
160	METS	94E/6W	94E 083									160,000	0.23	36,800		36,800	Vein Epithermal
161	GREAT WESTERN (STARLIGHT, etc)	82F/6W	82FSW171 to 174	1907-1961		119	3,683	188	3,187	17:1	Cu 184,695 lbs	200,000	0.15	30,000		30,188	Porphyry
162	TRUE FISSURE	92K/11W	92K 030	1900-1944		118	5,313	216	60,815	236:1	Cu, Pb, Zn	763,000	0.11	83,930	42.2 opt Ag, 15% Pb	84,168	Vein-Mesothermal
163	DEBBIE (YELLOW)	92F/2E	92F 331, 079								Total Probable:	267,714	0.15	41,896	Poss res: 323,167	41,896	Vein-Mesothermal
											Debbie: 900 zone	31,182	0.34	10,602	19,272		
											Linda zone	45,379	0.28	12,706	54,439		
											Mineral Ck zone	108,627	0.08	8,866	382,992		
											Yellow: Mineral Ck zone	81,936	0.107	8,723			

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
164	SHERWOOD	92F/5E	92F 069									30,900	0.535	16,316	1.15 opt Ag	16,316	Vein-Mesothermal
165	GIANT COPPER (A.M.)	92H/5W	92HSW001								Total mineable:	26,520,000	0.012	329,340		329,340	Porphyry Breccia
											AM breccia zone (open pit)	22,820,000	0.012	273,840	0.39 opt Ag, 0.75% Cu		
											(underground)	3,700,000	0.015	55,500	0.6 opt Ag, 1.17% Cu Geol res. Invermay breccia		
166	YELLOW JACKET	104/12E	104N 043									500,000 est	0.3	150,000 est		150,000	Vein Mesothermal
167	HANK	104G/1W	104G 107									454,000	0.1	45,400		454,000	Vein Mesothermal
168	DOC (GRACY)	104B/8W	104B 014									207,000	0.32	66,240	1.38 opt Ag - Q17 vein Poss res: 263,000 tons 0.23 opt Au & 1.35 opt Ag Total: 470,000 tons @ 0.27 opt Au & 1.31 opt Ag	66,240	Vein Mesothermal
169	GOLDWEDGE TOTAL	104B/08E	104B 100	1962, 1965			330	235				373,224	0.75	280,858	1.1 opt Ag (@ 0.2 opt Au cutoff)	281,091	
	GOLDEN ROCKET (i)											319,149	0.8	255,319	1.12 opt Ag		Vein Mesothermal
	DISCOVERY (ii)											37,980	0.63	23,927	1.08 opt Ag		
	GOLDRIDGE (iii)											16,095	0.1	1,610	0.08 opt Ag		
170	SMITH-NASH	93E/5E	93E 014									22,190	0.302	6,701		6,701	Vein Mesothermal
171	SNIP	104B/10W	104B 023	Startup: Jan 25/91	330							1,032,000	0.875	903,000		903,000	Vein Mesothermal
172	BONAPARTE	92P/1W	92P 159									10,000	0.6	6,000	Discovery zone	6,000	Vein Epithermal
173	HARRISON LAKE GOLD	92H/5E	92HSW092	1973-1981		101	950	599				2,430,000	0.12	291,600	Drill indicated reserves inferred: 2,100,000 tons @ 0.1 opt Au	292,486	Transitional
174	FRASERGOLD	93A/7E	93A 150									15,000,000	0.055	825,000	Geological reserves to 100m depth	825,000	Vein Mesothermal
175	GERLE GOLD	94D/16W	94D 006									50,054	0.22	11,012		11,012	Vein Mesothermal
176	GOLDFINCH TOTAL							1,450	675	190 1:4		166,000	0.298	55,098		55,736	
177	GOLDFINCH INDEPENDENCE (WINDFLOWER)	82K/13E	82KNW076 82KNW073	1903-1904 1979				1,450	670 5	178 1:4 11 2:1		166,000	0.298	55,056			Vein Mesothermal
	LH	82L/15E	82LNE012									300,000	0.5	165,000		165,000	Vein/Skarn Mesothermal

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
178	MACKTUSH CK	92F/02	92F 012									192,000	0.54	82,080	2.29 opt Ag, 0.79% Cu	82,080	Vein Massive Sulphide
179	MAME	93L/14W	93L 081									60,000	0.32	19,200		19,200	Vein Mesothermal
180	SAMATOSUM	82M/04W	82M 244	1988-1990*	300	59	273,686	11,871	7,275,017	595:1	Cu,Pb, Zn,Sb	532,286	0.030	15,968	20.0 opt Ag, 1.0% Cu 1.5% Pb, 2.5% Zn	27,839	Vein Mesothermal
181	see 97G																
182	GIBRALTAR	93B/08E	93B 008, 007,012	1972-1990*	35400	76	263,547,348	4,511	1,895,248	420:1	Cu, Mo	180,400,000	0.0002	68,800	0.313% Cu, 0.0087% Mo (solvent extraction-electro winning)	83,311	Porphyry (Calc-Alkalic)
183	MT. MILLIGAN (PHIL, HEIDI)	93N/1E	93N 194								Mineable	330,000,000	0.018	5,280,000	0.23% Cu	5,280,000	Porphyry (Alkalic)
184	VAULT	82SE/5E	82ESW173								North Vein	167,548	0.408	68,360		68,360	Vein Epithermal
185	ARLINGTON CAMP TOTALS					36	79,290	60,455	147,374			68,000	0.14	9,520		69,975	
185	ARLINGTON	82F/3W	82FSW205	1900-1970, 1987			76,956	54,667	139,339	3:1	Pb,Zn	68,000	0.14	9,520	1987 u/g rehab & o/p potential		Vein Mesothermal
185	CANADIAN KING		82FSW203	1900-1912			?	2,000									
185	KEYSTONE		82FSW202	1901-1979			485	1,220	2,568								
							1,839	2,566	5,427								
186	SECOND RELIEF	82F/6W	82FSW187	1900-1959		29	226,203	100,234	27,856	1:4	Cu,Pb,Zn					100,234	Skarn
187	EXPO TOTAL	92L/12E	92L 240									159,000,000	0.01	1,694,000		2,318,000	
	A) HUSHAMU											107,000,000	0.01	1,070,000	0.29% Cu, 0.01% Mo		Porphyry (Calc-Alkalic)
	B) RED DOG											52,000,000	0.012	624,000	0.32% Cu		
188	MORRISON	93M/1E	92M 007									41,676,000	0.01	418,760	0.42% Cu, 0.1 opt Ag	418,760	Porphyry (Calc-Alkalic)
189	KERR	104B/9W	104B 100									200,000,000	0.01	2,000,000	0.61% Cu + Ag	2,000,000	Porphyry (Alkalic)
190	LORRAINE	93N/14W	93N 002									10,000,000	0.01	100,000	0.7% Cu	100,000	Porphyry (Alkalic)
191	ECSTALL	103H/13E	103H 011									7,000,000	0.015	105,000	0.9% Cu, 2.5% Zn, 0.6 opt Ag	105,000	Massive Sulphide

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
192	ESKAY CREEK	104B/09W	104B 008								Total Reserves:	5,691,000	0.674	3,822,280	24.1 opt Ag	3,822,280	Massive Sulphide
											(@ 0.10 opt Au cutoff)				(or 5.3m oz Au equiv)		Stratabound
											21A Deposit	1,065,000	0.26	298,200	3.7 opt Ag		
											21B Deposit	4,364,000	0.77	3,360,280	29.12 opt Ag		
											Tok 3-6 claim gap	125,000	1.0	125,000	26.99 opt Ag		
											Pumphouse Lake	57,000	0.40	22,800	17.18 opt Ag		
											Northern Extension	80,000	0.20	16,000	40 opt Ag		
193	KLI (Kennco)	94D/08	94D 023									500,000	0.05	25,000	0.4% Cu (Drill indicated)	25,000	Skarn
194	KENNEDY RIVER CAMP (incl Giant Bear, Captain Hook, etc)	92F/03W	92F 044 to 050									46,285	0.701	32,446	Shack/Shack II veins	32,446	Vein
												176,320	0.5	88,160	Bear, Black, Shack, Shack II and Elite veins	88,160	Mesothermal
195	SHELL (CROY)	94D/08	94D 015									80,000	0.16	12,800	3% Cu, minor Ag	12,800	Vein Mesothermal
196	SNOWBIRD	93K07E	93K 036	1939-1953							Sb	300,000	0.21	63,000	Possible reserves for North & Main zones	63,000	Shear zone
197	MILLIE MACK (L.1831)	82K/04E	82KSW051	1899-1924, 1960,69,79			340	316	21,598	68:1	Cu,Pb,Zn	1,700,000	0.14	238,000	6.5 opt Ag	238,316	Vein
											or	17,000,000	0.06	1,020,000	2.0 opt Ag		Mesothermal
198	CATFACE	92F/05W	92F 120									200,000,000	0.002	300,000	0.07 opt Ag, 0.45% Cu, 0.012% Mo	300,000	Porphyry (Calc-Alkalic)
199	MEGABUCKS	93A/06W	93A 078									2,300,000	0.027	62,100	0.13% Cu	62,100	Vein-Stockwork
200	NEW MOON	93E/13W	93E 011								Main Showing	672,458	0.029	19,501	0.45 opt Ag, 1.9% Pb, 5.81% Zn for North zone	19,501	Vein Epithermal
201	RED ELEPHANT	82K/11	82KNW053								Indicated	29,177	1.19	34,721	1.06 opt Ag, 0.93% Cu	34,721	Vein-Replacement
202	VILLALTA	92F/1	92F 384								Proven	48,434	0.134	6,490	open pittable	6,490	oxidized massive sulphide
203	TASEKO (Empress, Spokane, etc)	92O/3	92O 004, 033								Inferred	11,078,000	0.023	254,794	0.5 opt Ag, 0.61% Cu @ 0.4% Cu cut-off	254,794	Porphyry (Calc-alkalic)
204	GOLDEN STRANGER	94E/6	94E 076								preliminary	550,000	0.08	44,000		44,000	Vein-breccia Epithermal
205	TODD CREEK	104A/4	104A 001								geological res	228,860	0.16	36,618		36,618	Vein-breccia Fault-hosted
206	COPPER CANYON	104G/3W	104G 017								Central	35,700,000	0.034	1,213,800	0.5 opt Ag & 0.75% Cu	1,213,800	Porphyry (Alkalic)
											Potential for additional	100,000,000	tons				

Appendix 3 (Continued)

FIG. 1 NO.	DEPOSIT NAME	NTS	MINFILE NUMBER	YEARS OF PRODUCTION (* = producing)	MILLING RATE (tpd)	GOLD PROD RANK	TONS MINED OR MILLED	GOLD PRODUCED (oz)	SILVER PRODUCED (oz)	Ag:Au RATIO	OTHER PRODUCTS	RESERVES (tons - all categories)	GRADE GOLD (opt)	RESERVES GOLD (oz)	OTHER RESERVES (including other commodities)	GOLD CONTENT (Res + Prod) (oz)	DEPOSIT TYPE
207	KEMESS	94E/2E	94E 021								Total res:	165,300,000	0.0155	2,562,150		2,562,150	
											North zone	82,650,000	0.013	1,074,450	0.18% Cu (.5% Cu equiv)		Porphyry (Alkalic)
											South zone	82,650,000	0.018	1,487,700	0.25% Cu (.9% Cu equiv)		
208	TAM	93N/13	93N 166									7,200,000			0.55% Cu, 0.12 Ag		Porphyry (Alkalic)
209	VINE (BAR)	82G/SW	82GSW050									1,500,000	0.050	75,000	1.5 opt Ag, 4.5% Pb, 2.4% Zn	75,000	Vein Mesothermal
210	GOLDEN LION	94E/11W	94E 077									2,266,000	0.028	63,420	0.14 opt Ag, 0.49% combined Pb-Zn	63,420	Vein Epithermal
211	RED MOUNTAIN	103P/13	103P 220								Marc Zone	933,000	0.37	345,210		345,210	Vein Mesothermal
212	KATIE	82F/03W	82FSW291									200,000,000	0.005	1,000,000	0.17% Cu	1,000,000	Porphyry (Calc-alkalic)
213	ELK	92H/16W	92HNE096									234,000	0.633	148,122	0.64 opt Ag @ 0.3 opt Au cut-off	148,122	Vein Mesothermal
214	ROCK & ROLL	104B/11E										640,000	0.072	46,080	9.8 opt Ag, 0.64% Cu 0.79% Pb, 3.08% Zn	46,080	Massive Sulphide
	Totals:							21,973,088						58,284,916		80,258,004	

APPENDIX 4
B.C. PLACER AND LODE GOLD PRODUCTION

YEAR	PLACER (oz)	LODE (oz)
1858	41,470	
1859	95,000	
1860	131,090	
1861	156,830	
1862	156,290	
1863	230,210	
1864	219,760	
1865	205,365	
1866	156,580	
1867	145,930	
1868	139,590	
1869	104,410	
1870	78,640	
1871	105,850	
1872	94,760	
1873	76,810	
1874	108,510	
1875	145,580	
1876	105,100	
1877	94,600	
1878	75,010	
1879	75,890	
1880	59,640	
1881	61,570	
1882	56,120	
1883	46,720	
1884	43,300	
1885	41,980	
1886	53,160	
1887	40,810	
1888	36,280	
1889	34,640	
1890	29,080	500
1891	25,280	
1892	23,500	500
1893	20,950	1,170
1894	23,850	6,252
1895	28,330	39,264
1896	32,000	62,259
1897	30,210	106,141
1898	37,840	110,061
1899	79,110	138,315
1900	75,220	167,153
1901	57,060	210,384
1902	63,130	236,491
1903	62,380	232,831
1904	65,610	222,042
1905	57,020	238,660
1906	55,790	224,027
1907	48,710	196,179
1908	38,060	255,582
1909	28,060	238,224
1910	31,760	267,701
1911	25,060	228,617
1912	32,680	257,496
1913	30,000	272,254
1914	33,240	247,170
1915	45,290	250,021
1916	34,150	221,932
1917	29,180	114,523
1918	18,820	164,674
1919	16,850	152,426
1920	13,040	120,048
1921	13,720	135,783
1922	21,690	197,856
1923	24,710	179,245
1924	24,750	247,716
1925	[illegible]	[illegible]
1926	20,912	201,427
1927	9,191	178,001
1928	8,424	180,662
1929	6,983	145,223
1930	8,955	160,836
1931	17,176	146,133
1932	20,400	181,651
1933	23,928	223,589
1934	25,181	297,216
1935	30,929	365,343
1936	43,389	404,578
1937	54,153	460,781
1938	57,759	557,522
1939	49,746	587,336
1940	39,067	583,524
1941	43,775	571,026
1942	32,904	444,518
1943	14,600	224,403
1944	11,433	186,632
1945	12,589	175,373
1946	15,729	117,612
1947	6,969	243,282
1948	20,332	286,230
1949	17,886	288,396
1950	19,134	283,983
1951	23,691	261,274
1952	17,554	255,789
1953	14,245	253,552
1954	8,684	258,388
1955	7,666	242,477
1956	3,865	191,743
1957	2,936	223,403
1958	5,650	194,354
1959	7,570	173,146
1960	3,847	205,580
1961	3,416	159,821
1962	3,315	158,850
1963	4,620	154,979
1964	1,842	138,487
1965	866	117,124
1966	1,535	119,508
1967	891	126,157
1968	670	123,896
1969	399	117,481
1970	491	100,809
1971	177	85,781
1972	691	121,624
1973	3,831	185,986
1974	1,452	160,791
1975	1,406	154,945
1976	838	173,407
1977	1,484	189,896
1978	1,174	210,344
1979	6,884	259,229
1980	9,006	241,582
1981	9,379	257,391
1982	5,646	258,788
1983	9,253	258 316
1984	13,853	241,326
1985	12,445	222,077
1986	5,353	271,962
1987	14,676	354,840
1988	14,147	382,352
1989	14,468	481,796
1990	14,780	529,836
TOTAL:	5,376,351	22,067,580